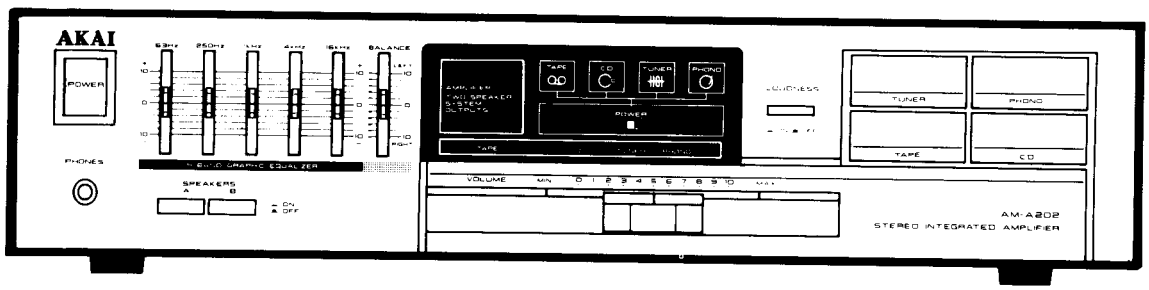
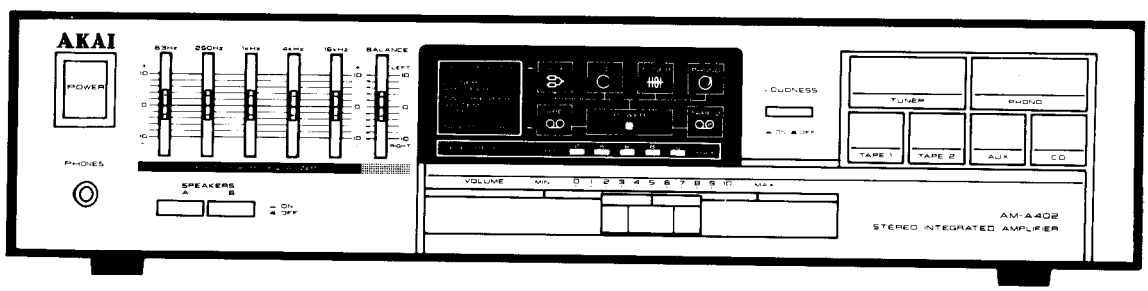
# AKAI SERVICE MANUAL




MODEL AM-A202




MODEL AM-A402

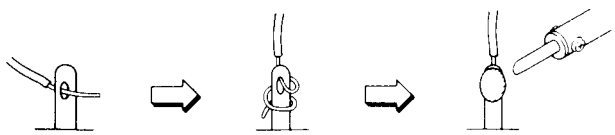
## STEREO INTEGRATED AMPLIFIER

# MODEL AM-A102
# MODEL AM-A202
# MODEL AM-A302
# MODEL AM-A402

# SAFETY INSTRUCTIONS

## PRECAUTIONS DURING SERVICING

1. Parts identified by the ⚠ symbol parts are critical for safety. Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation.
   These must also be replaced only with specified replacements.
   Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape
   2) PVC tubing
   3) Spacers (Insulating Barriers)
   4) Insulation sheets for transistors
   5) Plastic screws for fixing microswitch (especially in turntable)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

## SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 M ohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for [C] or [A], specified insulation resistance should be headphone jacks, line-in-out jacks etc. more than 2.2 M ohms (ground terminals, microphone jacks).

# INFORMATION

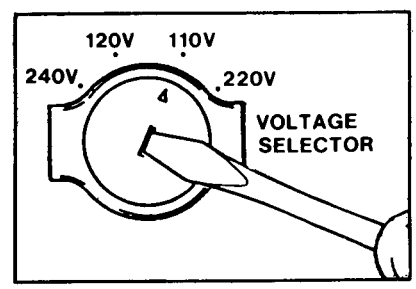
## SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

| Symbols | Principal Destinations |
|---|---|
| [A] | USA |
| [B] | UK |
| [C] | Canada |
| [E] | Europe (except UK) |
| [J] | Japan |
| [S] | Australia |
| [V] | W. Germany only |
| [U] | Universal Area |
| [Y*] | Custom version |

## VOLTAGE CONVERSION ([U] Model only)

Before connecting the power cord, turn the VOLTAGE SELECTOR located on the rear panel with a screwdriver so that the correct voltage is indicated.



# I. SPECIFICATIONS

## 1-1. Model AM-A202, AM-A102

| Model | AM-A202 | AM-A102 |
|---|---|---|
| Power output (8 ohms) | | |
| Rated 40 Hz—20 kHz | 40 W/0.3% | 25 W/0.3% |
| by FTC 40 Hz—20 kHz | 50 W/0.3% | — |
| by DIN 1 kHz | 45 W | 30 W |
| Music power (Both channels) | 200 W | 160 W |
| Power bandwidth (IHF —3 dB, 8 ohms) | 10 Hz to 50 kHz (0.5%) | 10 Hz to 40 kHz (0.5%) |
| S/N (IHF-A) | | |
| PHONO | 72 dB | 72 dB |
| CD, TAPE | 92 dB | 92 dB |
| Residual noise (8 ohms) | 0.5 mV | 0.5 mV |
| Channel separation (IHF, 1 kHz) | 60 dB | 60 dB |
| Damping factor (1 kHz, 8 ohms) | 20 | 20 |
| Speaker impedance | | |
| A or B | 8 to 16 ohms | 8 to 16 ohms |
| A and B | 8 to 16 ohms | 8 to 16 ohms |
| Input sensitivity/Impedance | | |
| PHONO | 2.5 mV/47 kohms | 2.5 mV/47 kohms |
| CD, TAPE | 150 mV/47 kohms | 150 mV/47 kohms |
| Output level/Impedance | | |
| TAPE | 150 mV/1 kohms | 150 mV/1 kohms |
| Frequecy response | | |
| PHONO (RIAA) | ±0.5 dB | ±0.5 dB |
| CD, TAPE | 5 Hz to 100 kHz (—3 dB) | 5 Hz to 100 kHz (—3 dB) |
| Graphic equalizer | | |
| Center frequency | 63 Hz/250 Hz/1 kHz/4 kHz/ 16 kHz | 63 Hz/250 Hz/1 kHz/4 kHz/ 16 kHz |
| Control range | ±10 dB | ±10 dB |
| PHONO max. input level | 120 mV | 120 mV |
| Power requirements | 120 V, 60 Hz for USA and Canada<br>220 V, 50 Hz for Europe except UK<br>240 V, 50 Hz for UK and Australia<br>110 V/120 V/220 V/240 V, 50 Hz/60 Hz convertible for other countries | |
| Dimensions | 440 (W) ×100 (H) ×250 (D) mm (17.3 ×3.9 ×9.8 inches) | 440 (W) ×100 (H) ×250 (D) mm (17.3 ×3.9 ×9.8 inches) |
| Weight | 5.2 kg (11.5 lbs) | 5.8 kg (12.8 lbs) |

* For improvement purposes, specifications and design are subject to change without notice.

## 1-2. Model AM-A402, AM-A302

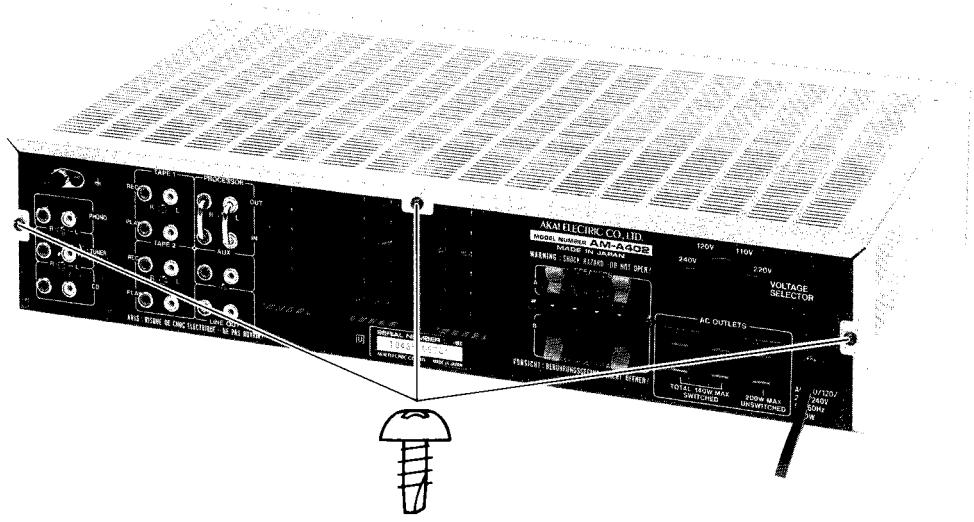
| Model | AM-A402 | AM-A302 |
|---|---|---|
| Power output | 8 ohms | 8 ohms |
| Rated | — | 20 Hz to 20 kHz 60 W/0.09% |
| by FTC | 20 Hz to 20 kHz 100 W/0.09% | 20 Hz to 20 kHz 80 W/0.09% |
| by DIN | 1 kHz 100 W | 1 kHz 65 W |
| Music power (Both channels) | 430 W | 320 W |
| Power bandwidth (IHF —3 dB, 8 ohms) | 5 Hz to 50 kHz (0.5%) | 5 Hz to 50 kHz (0.5%) |
| S/N (IHF-A) | | |
| PHONO | 72 dB | 72 dB |
| CD, TAPE | 95 dB | 95 dB |
| Residual noise (8 ohms) | 0.5 mV | 0.5 mV |
| Channel separation (IHF, 1 kHz) | 60 dB | 60 dB |
| Damping factor (1 kHz, 8 ohms) | 45 | 45 |
| Speaker impedance | | |
| A or B | 8 to 16 ohms | 8 to 16 ohms |
| A and B | 16 ohms | 16 ohms |
| Input sensitivity/Impedance | | |
| PHONO | 2.5 mV/47 kohms | 2.5 mV/47 kohms |
| CD, TAPE | 150 mV/47 kohms | 150 mV/47 kohms |
| Output level/Impedance | | |
| TAPE | 150 mV/1 kohms | 150 mV/1 kohms |
| Frequecy response | | |
| PHONO (RIAA) | ±0.5 dB | ±0.5 dB |
| CD, TAPE | 5 Hz to 100 kHz (—3 dB) | 5 Hz to 100 kHz (—3 dB) |
| Graphic equalizer | | |
| Center frequency | 63 Hz/250 Hz/1 kHz/4 kHz/ 16 kHz | 63 Hz/250 Hz/1 kHz/4 kHz/ 16 kHz |
| Control range | ±10 dB | ±10 dB |
| PHONO max. input level | 120 mV | 120 mV |
| Power requirements | 120 V, 60 Hz for USA and Canada<br>220 V, 50 Hz for Europe except UK<br>240 V, 50 Hz for UK and Australia<br>110 V/120 V/220 V/240 V, 50 Hz/60 Hz convertible for other countries | |
| Dimensions | 440 (W) ×100 (H) ×250 (D) mm (17.3 ×3.9 ×9.8 inches) | 440 (W) ×100 (H) ×250 (D) mm (17.3 ×3.9 ×9.8 inches) |
| Weight | 7.3 kg (16.1 lbs) | 6.8 kg (15.0 lbs) |

* For improvement purposes, specifications and design are subject to change without notice.

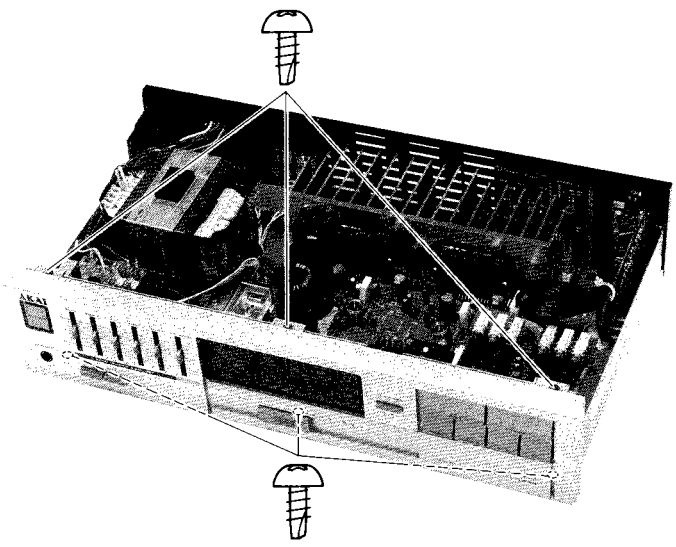
# II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.

1. UPPER COVER




2. FRONT PANEL



# III. CONTROLS

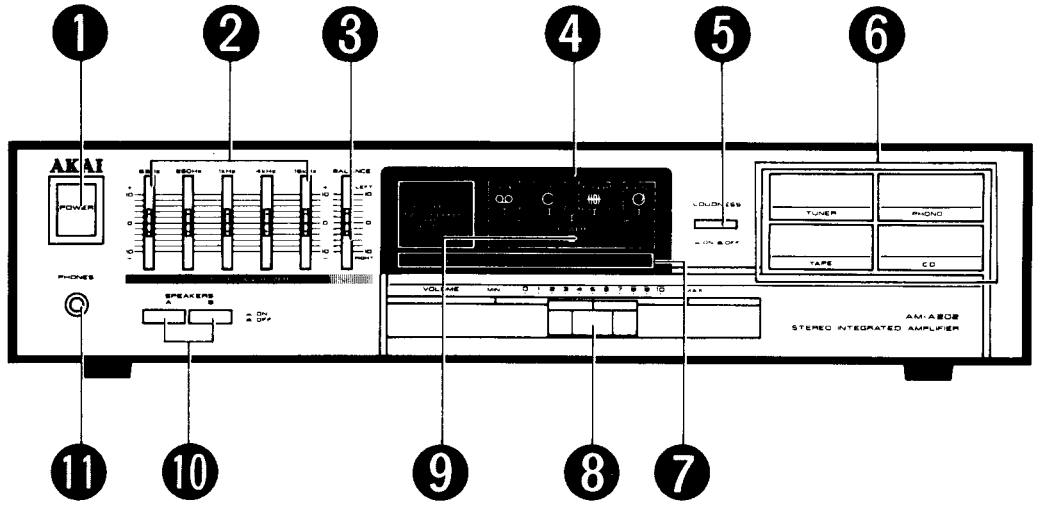



Fig. 3-1 Controls for Models AM-A102, AM-A202

1. **POWER switch**
To turn on and off the Akai amplifier.

2. **GRAPHIC EQUALIZER controls**
To finely adjust the frequency levels between a range of 63 Hz to 16 kHz, during playback operations.

3. **BALANCE control**
To adjust the left and right channel balance.

4. **INPUT SELECTOR Indicators**
Shows which input source has been selected.

5. **LOUDNESS switch**
For instant compensation of the tone setting at low volume.

6. **Input source selectors**
To select audio source you want to listen to.

7. **TAPE MONITOR indicators**
Shows which equipement is being monitored.

8. **VOLUME control**
To adjust the volume level.

9. **POWER Indicator**
Indicates when the power is turned on.

10. **SPEAKERS Selectors (A and B)**
To select the speaker system.

11. **Headphones (PHONES) jack**
For headphone listening.

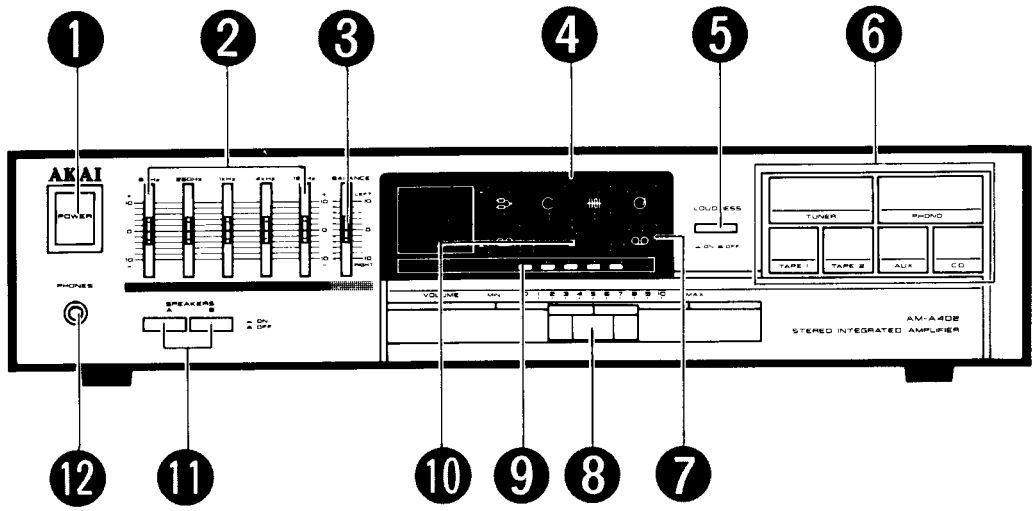



Fig. 3-2 Controls for Models AM-A302, AM-A402

1 **POWER switch**
To turn on and off the Akai amplifier.

2 **GRAPHIC EQUALIZER controls**
To finely adjust the frequency levels between a range of 63 Hz to 16 kHz, during playback operations.

3 **BALANCE control**
To adjust the left and right channel balance.

4 **INPUT SELECTOR Indicators**
Shows which input source has been selected.

5 **LOUDNESS switch**
For instant compensation of the tone setting at low volume.

6 **Input source selectors**
To select audio source you want to listen to.

7 **TAPE MONITOR indicators**
Shows which equipement is being monitored.

8 **VOLUME control**
To adjust the volume level.

9 **LED LEVEL meter**
Indicates both the left and right channel sound volume level.

10 **POWER Indicator**
Indicates when the power is turned on.

11 **SPEAKERS Selectors (A and B)**
To select the speaker system.

12 **Headphones (PHONES) jack**
For headphone listening.

**Protection circuit**
When the Akai amplifier is turned on, no signal will be output to the speakers for a few seconds. This is due to the protection circuit which prevents output of noise when the Akai amplifier is turned on.
The protection circuit also functions during playback to protect the speakers from overloading, and to protect the circuit from damages. When speakers with less than rated impedance are used, the protection circuit will short-circuit the ⊕ and ⊖ speaker cords. Therefore, should the sound be cut during playback:
1 Turn off the Akai amplifier.
2 Check for and correct the cause.
3 Turn on the Akai amplfier.

# IV. PRINCIPAL PARTS LOCATION

## 4-1. Model AM-A102, AM-A202

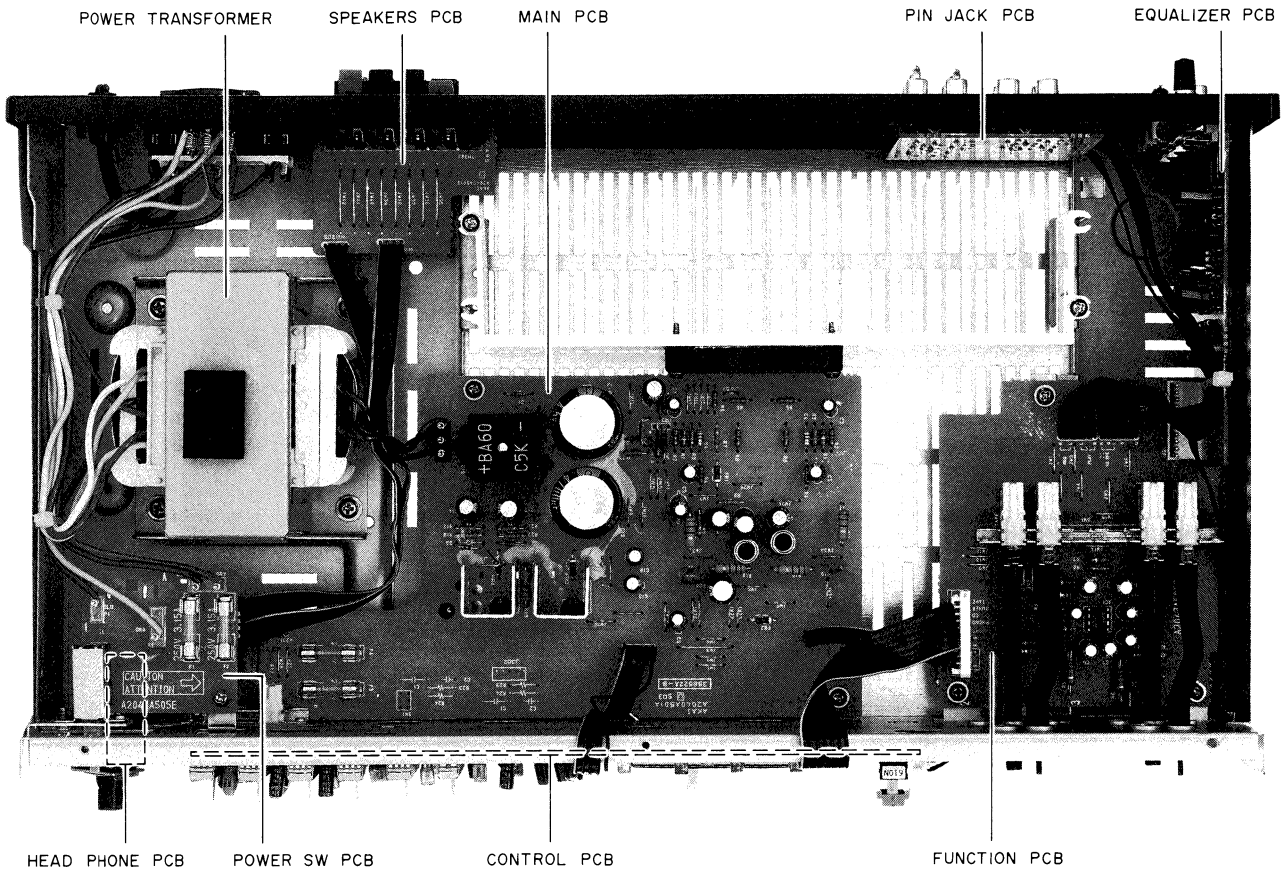



Fig. 4-1

## 4-2. Model AM-A302, AM-A402

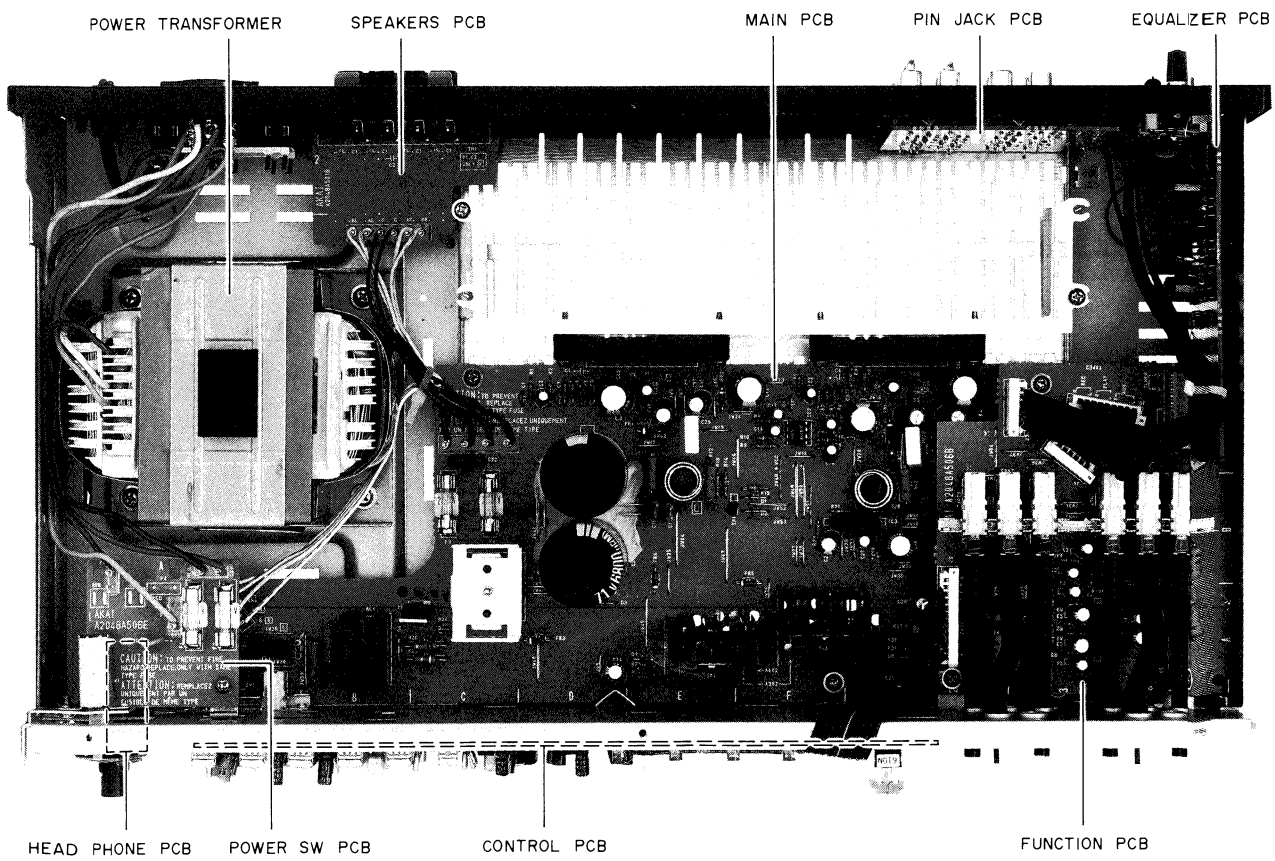



Fig. 4-2

# V. ADJUSTMENT

## 5-1. LEVEL METER SENSITIVITY ADJUSTMENT (AM-A302, AM-A402 Model only)

This adjustment is not necessary if the level meter shows no levels with no signal input.
However if the level meter shows some levels in spite of no signal input, adjust VR8 to the point where the first LED (Dl) is extinguished.

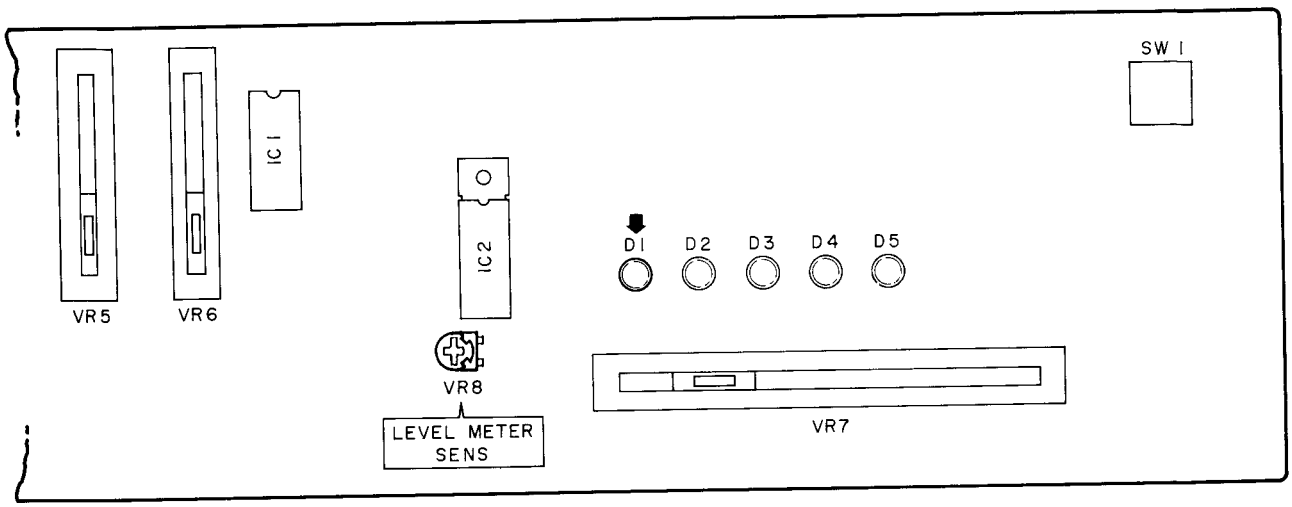



Fig. 5-1 Adjustment point of CONTROL PCB

# VI. PARTS LIST

**ATTENTION**

1. **When placing an order for parts, be sure to list Part No., Model No. and the description of each part. Otherwise, the non-delivery of the part or the delivery of a wrong part may result.**
2. **Please make sure that Part No. is correct when ordering. If not, a part different from the one you ordered may be delivered.**
3. **Since the parts shown in Parts List of Preliminary Service Manual may have been the subject of changes, please use this Parts List for all future reference.**

## HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

a) Mechanism Block

**2. HEAD BASE BLOCK**

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 2-1x | BH-T2023A320A | HEAD BASE BLOCK |
| 2-2 | HP-H2206A010A | HEAD R/P PR4-8FU C |
| 2-3 | ZS-477876 | PAN20×03STL CMT |
| 2-4 | ZS-536488 | BID20×08STL CMT |
| 2-5 | ZG-402895 | SP CS ANGLE ADJUST |

SP (Service Parts) Classification

A small "x" indicates that this part is not shown in the Photo or Illustration.

This number corresponds with the individual parts index number in that figure.

This number corresponds with the Figure Number.

b) PC Board

**6. MAIN PC BOARD**

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 6-IC1 | EI-324536 | IC HD14049BP |
| 6-IC2 | EI-336801 | IC MB8841-564M |
| 6-C1A | EC-338399 | C MMY V 223M 250AC [U,E, B,S] |
| 6-C1B | EC-350949 | C MMY V 223M 250DC [J] |
| 6-C1C | EC-338397 | C MMY V 223M 125AC [C,A] |
| 6-X1 | EI-318384 | OSC X'TAL NC-18C |

Symbols for primary destination

[A]: AAL(U.S.A.) [S]: SAA(Australia)
[B]: BEAB(England) [U]: U/T(Universal Area)
[C]: CSA(Canada) [V]: VDE(W. Germany)
[E]: CEE(Europe) [Y]: Custom Version
[J]: JPN(Japan)

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the Schematic Diagrams.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference No. listed at right of Part No.

**WARNING**

**⚠ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS**

**AVERTISSEMENT**

**⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÉCES RECOMMANDEES PAR LE FABRICANT**

## RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

| REF. NO. | | PART NO. | DESCRIPTION |
|---|---|---|---|
| 1 | | BT-352430 | ⚠ TRANS POWER AM-A1T-40 [E] (AM-A102) |
| 2 | | BT-352431 | ⚠ TRANS POWER AM-A1T-50 [B,S] (AM-A102) |
| 3 | | BT-352426 | ⚠ TRANS POWER AM-A1T-70 [U] (AM-A102) |
| 4 | | BT-358520 | ⚠ TRANS POWER AM-A201-40 [E] (AM-A202) |
| 5 | | BT-358521 | ⚠ TRANS POWER AM-A201-50 [B,S] (AM-A202) |
| 6 | | BT-358517 | ⚠ TRANS POWER AM-A201-70 [U] (AM-A202) |
| 7 | N | BT-364155 | ⚠ TRANS POWER AM-A202-20 [A] (AM-A202) |
| 8 | N | BT-364154 | ⚠ TRANS POWER AM-A202-30 [C] (AM-A202) |
| 9 | | BT-358549 | ⚠ TRANS POWER AM-A301-40 [E,V] (AM-A302) |
| 10 | | BT-358550 | ⚠ TRANS POWER AM-A301-50 [B,S] (AM-A302) |
| 11 | | BT-358545 | ⚠ TRANS POWER AM-A301-70 [U] (AM-A302) |
| 12 | N | BT-364552 | ⚠ TRANS POWER AM-A302T-20 [C,A] (AM-A302) |
| 13 | N | BT-364649 | ⚠ TRANS POWER AM-A402T-20 [C,A] (AM-A402) |
| 14 | N | BT-364650 | ⚠ TRANS POWER AM-A402T-40 [E] (AM-A402) |
| 15 | N | BT-364651 | ⚠ TRANS POWER AM-A402T-50 [S] (AM-A402) |
| 16 | N | BT-364647 | ⚠ TRANS POWER AM-A402T-70 [U] (AM-A402) |
| 17 | N | BT-370321 | ⚠ TRANS POWER A2047-V [V] (AM-A202) |
| 18 | | ED-354114 | D LED BR-5507S RED |
| 19 | N | ED-361885 | D LED SLP284C-51U GREEN |
| 20 | N | ED-361803 | D LED SLP484C-51 YELLOW |
| 21 | | ED-200213 | D SILICON DBA40C-K15 200/2.6A (AM-A102) |
| 22 | | ED-200749 | D SILICON DBA60-K15 400/6.0A (AM-A302, 402) |
| 23 | | ED-350748 | D SILICON DBA60C-K15 (AM-A202) |
| 24 | | ED-348990 | D SILICON H DS446 (AM-A302, 402) |
| 25 | | ED-301911 | D SILICON H DS448 |
| 26 | | ED-306320 | D ZENER H HZ15 2 (AM-A102, 202) |
| 27 | | ED-313846 | D ZENER H HZ16 3 (AM-A302, 402) |
| 28 | | ED-322046 | D ZENER H HZ18 1 (AM-A302, 402) |
| 29 | | ED-329056 | D ZENER H HZ22 2 (AM-A102, 202) |
| 30 | | ED-346627 | D ZENER H HZ33 2 (AM-A302, 402) |
| 31 | | EF-359007 | ⚠ FUSE BET T 1.25A 250V (AM-A102, 202) [B] |
| 32 | | EF-355398 | ⚠ FUSE BET T 2.00A 250V (AM-A302) [B] |
| 33 | | EF-364518 | ⚠ FUSE BET T 2.50A 250V (AM-A102) [B] |
| 34 | | EF-359225 | ⚠ FUSE BET T 3.15A 250V (AM-A202) [B] |
| 35 | | EF-355399 | ⚠ FUSE BET T 5.00A 250V (AM-A302) [B] |
| 36 | | EF-602550 | ⚠ FUSE SEMKO T 1.25A 250V (AM-A102, 202) [E,V,S] |
| 37 | | EF-601301 | ⚠ FUSE SEMKO T 2.00A 250V (AM-A302) [E,V,S] |
| 38 | | EF-623125 | ⚠ FUSE SEMKO T 2.50A 250V (AM-A102) [E,S] |
| 39 | | EF-691007 | ⚠ FUSE SEMKO T 3.15A 250V (AM-A202, 402) [E,S,V] |
| 40 | | EF-249851 | ⚠ FUSE SEMKO T 5.00A 250V (AM-A302) [E,V,S] |
| 41 | | EF-242605 | ⚠ FUSE SEMKO T 6.30A 250V (AM-A402) [E,S] |
| 42 | | EF-311839 | ⚠ FUSE TSC A 250V 1.60A (AM-A102) [U] |
| 43 | | EF-326639 | ⚠ FUSE TSC A 250V 3.15A (AM-A102, 202, 302) [U] |
| 44 | | EF-306952 | ⚠ FUSE TSC A 250V 4.00A (AM-A202, 402) [U] |
| 45 | | EF-341260 | ⚠ FUSE TSC A 250V 8.00A (AM-A302, 402) [U] |
| 46 | | EF-323080 | ⚠ FUSE TSC 125V 3.15A (AM-A202) [C,A] |
| 47 | | EF-306957 | ⚠ FUSE TSC 125V 4.00A (AM-A202) [C,A] |
| 48 | | EF-346139 | ⚠ FUSE TSC 125V 5.00A (AM-A302) [C,A] |
| 49 | | EF-346115 | ⚠ FUSE TSC 125V 6.30A (AM-A402) [C,A] |
| 50 | | EF-345658 | ⚠ FUSE TSC 125V 8.00A (AM-A302, 402) [C,A] |
| 51 | N | EI-366366 | ⚠ IC STK4038II (AM-A302) [U,E,V,B,S] |
| 52 | N | EI-364646 | ⚠ IC STK4044II (AM-A402) |
| 53 | N | EI-364549 | ⚠ IC STK4042II (AM-A302) [C,A] |
| 54 | | EI-352644 | ⚠ IC STK4141II (AM-A102) |
| 55 | | EI-358554 | ⚠ IC STK4152II (AM-A202) [U,E,V,B,S] |
| 56 | | EI-364171 | ⚠ IC STK4171II (AM-A202) [C,A] |
| 57 | | EI-358562 | IC LB1416 (AM-A302, 402) |
| 58 | | EI-337228 | IC M5218L (AM-A302, 402) |
| 59 | | EI-349719 | IC M5218P |
| 60 | | EI-344764 | IC M5218P-21 |
| 61 | | EI-355211 | IC M5227P |
| 62 | | EI-354080 | IC μPC1237H (AM-A302, 402) |
| 63 | | EQ-337159 | ⚠ RELAY POWER G4Z-2282P 2NO 24V (AM-A302, 402) |
| 64 | | ER-345466 | ⚠ R CT P F09 PLATE 5W R22K (AM-A302, 402) |
| 65 | | ER-345751 | ⚠ R FUSE ERD2FC S10 1/4W 15R0G |
| 66 | | ER-328278 | ⚠ R FUSE ERD2FC 1/4W 1OR0G (AM-A102, 202) |
| 67 | | ER-200746 | ⚠ R FUSE ERD2FC 1/4W 1O00G |
| 68 | | ES-361970 | ⚠ SW PUSH SDDLB1 01-1 (AM-A302, 402) |
| 69 | | ES-337902 | ⚠ SW PUSH SDLD1P 01-1 (AM-A102, 202) |
| 70 | | ES-349070 | ⚠ SW SELECTOR YKS11-0O02 02-4 [U] |
| 71 | | ES-358556 | SW PUSH ESB-621519 2 THROW (AM-A302, 402) |
| 72 | | ES-359963 | SW PUSH ESB-621566 2 THROW (AM-A102, 202) |
| 73 | | ES-358537 | SW PUSH ESB-62968 4 THROW (AM-A102, 202) |
| 74 | | ES-358564 | SW PUSH ESB-62969 6 THROW (AM-A302, 402) |
| 75 | N | ES-364176 | SW PUSH SPPH11 2-02-02N |
| 76 | | ET-347026 | ⚠ TR 2SB507HP E,F (AM-A302, 402) |
| 77 | | ET-344176 | ⚠ TR 2SD313HP F (AM-AO2, 402) |
| 78 | | ET-363953 | TR DTA114TS (AM-A102, 2O2) |
| 79 | | ET-353899 | TR 2SA1317 S,T,U (AM-A302,402) |
| 80 | | ET-305463 | TR 2SA970 GR,BL (AM-A302, 402) |
| 81 | | ET-322598 | TR 2SB632K E,F (AM-A102, 202) |
| 82 | | ET-307195 | TR 2SC2240 GR,BL (AM-AO2, 402) |
| 83 | | ET-360067 | TR 2SC3330 T,U F05 (AM-A302, 402) |
| 84 | | ET-310148 | TR 2SD612K E,F (AM-A102, 202) |
| 85 | N | EV-363157 | R S-FIX H RH0615CN4J 3P333 (AM-A302, 402) |
| 86 | N | EV-364175 | VR SLIDE 25P1SV W105 |
| 87 | N | EV-364174 | VR SLIDE 25P2SVOA W10K |
| 88 | | EV-358563 | VR SLIDE 60P2SVOM B25K |

**NOTE:**
N: New Parts

## 1. PC BOARD BLOCK (AM-A102)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 1-1A | BA-A2047A030E | PC MAIN BLK AM-A102 [U] |
| 1-1B | BA-A2047A030F | PC MAIN BLK AM-A102 [E,S,B] |
| 1-2A | BA-A2047A020E | PC CONTROL BLK AM-A102 [U] |
| 1-2B | BA-A2047A020C | PC CONTROL BLK AM-A202 [E,S,B] |

## 1. PC BOARD BLOCK (AM-A202)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 1-1A | BA-A2047A030A | PC MAIN BLK AM-A202 [U] |
| 1-1B | BA-A2047A030B | PC MAIN BLK AM-A202 [C,A] |
| 1-1C | BA-A2047A030C | PC MAIN BLK AM-A202 [E,B,S] |
| 1-1D | BA-A2047A030D | PC MAIN BLK AM-A202 [V] |
| 1-2A | BA-A2047A020A | PC CONTROL BLK AM-A202 [U] |
| 1-2B | BA-A2047A020B | PC CONTROL BLK AM-A202 [C,A] |
| 1-2C | BA-A2047A020C | PC CONTROL BLK AM-A202 [E,S,B] |
| 1-2D | BA-A2047A020D | PC CONTROL BLK AM-A202 [V] |

## 1. PC BOARD BLOCK (AM-A302)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 1-1A | BA-A2048A020A | PC MAIN BLK AM-A302 [U] |
| 1-1B | BA-A2048A020B | PC MAIN BLK AM-A302 [C,A] |
| 1-1C | BA-A2048A020C | PC MAIN BLK AM-A302 [E,B,S] |
| 1-1D | BA-A2048A020D | PC MAIN BLK AM-A302 [V] |
| 1-2A | BA-A2048A030A | PC CONTROL BLK AM-A302 [U] |
| 1-2B | BA-A2048A030B | PC CONTROL BLK AM-A302 [C,A] |
| 1-2C | BA-A2048A030C | PC CONTROL BLK AM-A302 [E,B,S] |
| 1-2D | BA-A2048A030D | PC CONTROL BLK AM-A302 [V] |

## 1. PC BOARD BLOCK (AM-A402)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 1-1A | BA-A2048A020E | PC MAIN BLK AM-A402 [U] |
| 1-1B | BA-A2048A020F | PC MAIN BLK AM-A402 [C,A] |
| 1-1C | BA-A2048A020G | PC MAIN BLK AM-A402 [E,S] |
| 1-2A | BA-A2048A030E | PC CONTROL BLK AM-A402 [U] |
| 1-2B | BA-A2048A030F | PC CONTROL BLK AM-A402 [C,A] |
| 1-2C | BA-A2048A030G | PC CONTROL BLK AM-A402 [E,S] |

**NOTE:**

(1) PC MAIN BLK consists of following PC BOARDS.
- MAIN PC BOARDS
- SPEAKERS PC BOARD
- HEADPHONE PC BOARD
- FILTER PC BOARD (AM-A202 [V], AM-A302 [V] ONLY)

(2) PC CONTROL BLK consists of following PC BOARDS.
- CONTROL PC BOARD
- FUNCTION PC BOARD
- EQUALIZER PC BOARD
- PIN J PC BOARD
- POWER SW PC BOARD

## 2. MAIN PC BOARD (AM-A102, 202)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 2-C13 | EC-352643 | C EC V 472M 40DC (AM-A102) |
| 2-C13A | EC-358538 | C EC V CUT 472M 45.0DC (AM-A202 [U,E,V,B,S]) |
| 2-C13B | EC-361665 | C EC V CUT 472M 50.0DC (AM-A202 [C,A]) |
| 2-C16 | EC-352643 | C EC V 472M 40DC |
| 2-C16A | EC-358538 | C EC V CUT 472M 45.0DC [U,E,V,B,S] |
| 2-C16B | EC-361665 | C EC V CUT 472M 50.0DC [C,A] |
| 2-C19 | EC-326583 | C MMY V CUT CF921 473K 400DC |
| 2-D1 | ED-301911 | ⚠ D SILICON H DS448 |
| 2-D2 | ED-329056 | ⚠ D ZENER H HZ22 2 |
| 2-D3 | ED-306320 | ⚠ D ZENER H HZ15 2 |
| 2-D4 | ED-306320 | ⚠ D ZENER H HZ15 2 |
| 2-D5 | ED-200213 | ⚠ D SILICON DBA40C-K15 200/2.6A (AM-A102) |
| 2-D5 | ED-350748 | ⚠ D SILICON DBA60C-K15 (AM-A202) |
| 2-D6 | ED-306320 | D ZENER H HZ15 2 |
| 2-FR1 | ER-328278 | ⚠ R FUSE ERD2FC 1/4W 10R0G |
| 2-FR2 | ER-200746 | ⚠ R FUSE ERD2FC 1/4W 1000G |
| 2-FR3 | ER-328278 | ⚠ R FUSE ERD2FC 1/4W 10R0G |
| 2-FR4 | ER-328278 | ⚠ R FUSE ERD2FC 1/4W 10R0G |
| 2-L1 | EO-337880 | COIL FIX 2 202AK-018 2R2K |
| 2-R7 | ER-325269 | ⚠ R CB H S10 FS RDS 1/4W 222J |
| 2-R9 | ER-333355 | ⚠ R CB H S10 FS RDS 1/4W 103J |
| 2-R10, 11 | ER-308875 | ⚠ R CB H S15 FS RDS 1/2W 100J (AM-A102) |
| 2-R10, 11 | ER-341940 | ⚠ R OMF H S15 FS 1W 100J (AM-A202) |
| 2-R12 | ER-341331 | ⚠ R OMF H S15 FS 1W 181J (AM-A102) |
| 2-R12 | ER-305722 | ⚠ R OMF H S20 FS 2W 221J (AM-A202) |
| 2-R15 | ER-328082 | ⚠ R CB H S10 FS RDS 1/4W 332J |
| 2-R17, 21 | ER-328082 | ⚠ R CB H S10 FS RDS 1/4W 332J [U,E,V,B,S] |
| 2-R18, 22 | ER-323074 | ⚠ R CB H S10 FS RDS 1/4W 102J [U,E,V,B,S] |
| 2-R19 | ER-318430 | ⚠ R OMF H S15 FS 1W 102J |
| 2-SW2 | ES-359963 | SW PUSH ESB-621566 2 THROW |
| 2-TR1 | ET-310148 | ⚠ TR 2SD612K E,F |
| 2-TR2 | ET-322598 | ⚠ TR 2SB632K E,F |
| 2-TR3 | ET-363953 | ⚠ TR DTA114TS |
| 2-F3A, 4A | EF-326639 | ⚠ FUSE TSC A 250V 3.15A (AM-A102 [U]) |
| 2-F3B, 4B | EF-623125 | ⚠ FUSE SEMKO T 2.50A 250V (AM-A102 [E,S]) |
| 2-F3C, 4C | EF-364518 | ⚠ FUSE BET T 2.50A 250V (AM-A102 [B]) |
| 2-F3A, 4A | EF-306952 | ⚠ FUSE TSC A 250V 4.00A (AM-A202 [U]) |
| 2-F3B, 4B | EF-306957 | ⚠ FUSE TSC 125V 4.00A (AM-A202 [C,A]) |
| 2-F3C, 4C | EF-691007 | ⚠ FUSE SEMKO T 3.15A 250V (AM-A202 [E,V,S]) |
| 2-F3D, 4D | EF-359225 | ⚠ FUSE BET T 3.15A 250V (AM-A202 [B]) |

## 2. MAIN PC BOARD (AM-A302, 402)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 2-C10, 11 | EC-201627 | C EC V F05 SM 100M 100DC (AM-A402) |
| 2-C13, 14 | EC-325320 | C EC V F05 NP AWA 2R2M 50DC |
| 2-C18 | EC-334005 | C EC V CUT NP SM 331M 10DC (AM-A402) |
| 2-C18 | EC-334005 | C EC V CUT NP SM 331M 10DC |
| 2-C22 | EC-326583 | ⚠ C MMY V CUT CF921 473K 400DC |
| 2-C23, 26 | EC-358559 | C EC V CUT SM 682M 55.0DC (AM-A302 [U,E,V,B,S]) |
| 2-C23A, 26A | EC-360273 | C EC V CUT SM 682M 71.0DC (AM-A302 [C,A], AM-A402) |
| 2-D1 to 4 | ED-348990 | D SILICON H DS446 |
| 2-D5 | ED-346627 | ⚠ D ZENER H HZ33 2 |
| 2-D6 | ED-200749 | ⚠ D SILICON DBA60-K15 400/6.0A |
| 2-D7, 8 | ED-322046 | ⚠ D ZENER H HZ18 1 |
| 2-D9 | ED-301911 | D SILICON H DS448 |
| 2-FR1, 2 | ER-200746 | ⚠ R FUSE ERD2FC 1/4W 1000G |
| 2-FR3 to 5 | ER-345751 | ⚠ R FUSE ERD2FC S10 1/4W 15R0G |
| 2-IC2 | EI-349719 | IC M5218P |
| 2-IC3 | EI-354080 | IC μPC1237H |
| 2-L1 | EO-332116 | COIL FIX 2 103AK-006A 2R2K |
| 2-RL1 | EQ-337159 | ⚠ RELAY POWER G4Z-2282P 2NO 24V |
| 2-R11 | ER-345466 | ⚠ R CT P F09 PLATE 5W R22K |
| 2-R12 | ER-341940 | ⚠ R OMF H S15 FS 1W 100J (AM-A302) |
| 2-R12 | ER-333023 | ⚠ R OMF H S20 FS 2W 100J (AM-A402) |
| 2-R13 | ER-341940 | ⚠ R OMF H S15 FS 1W 100J (AM-A302) |
| 2-R13 | ER-333023 | ⚠ R OMF H S20 FS 2W 100J (AM-A402) |
| 2-R25 | ER-333663 | ⚠ R CB H S15 FS RDS 1/2W 391J |
| 2-R26 | ER-306128 | ⚠ R CB H S15 FS RDS 1/2W 103J |
| 2-R27 | ER-333102 | ⚠ R OMF H S20 FS 2W 431J |
| 2-SW1 | ES-358556 | SW PUSH ESB-621519 2 THROW |
| 2-TR1 | ET-307195 | TR 2SC2240 GR,BL |
| 2-TR2 | ET-305463 | TR 2SA970 GR,BL |
| 2-TR3, 4 | ET-344176 | ⚠ TR 2SD313HP F |
| 2-TR5 | ET-347026 | ⚠ TR 2SB507HP E,F |
| 2-TR6 | ET-360067 | TR 2SC3330 T,U F05 |
| 2-F3A, 4A | EF-341260 | ⚠ FUSE TSC A 250V 8.00A [U] |
| 2-F3B, 4B | EF-345658 | ⚠ FUSE TSC 125V 8.00A [C,A] |
| 2-F3C, F4C | EF-249851 | ⚠ FUSE SEMKO T 5.00A 250V (AM-A302 [E,V,S]) |
| 2-F3C, 4C | EF-242605 | ⚠ FUSE SEMKO T 6.30A 250V (AM-A402 [E,S]) |
| 2-F3D, 4D | EF-355399 | ⚠ FUSE BET T 5.00A 250V (AM-A302 [B]) |

## 3. CONTROL PC BOARD (AM-A102, 202)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 3-D1 | ED-354114 | D LED BR-5507S RED |
| 3-D2 | ED-361803 | D LED SLP484C-51 YELLOW |
| 3-D3 to 5 | ED-361885 | D LED SLP284C-51U GREEN |
| 3-IC1 | EI-355211 | IC M5227P |
| 3-R8, 9 | ER-333598 | R CB H S15 FS RDS 1/2W 102J |
| 3-R10, 11 | ER-306805 | R CB H S15 FS RDS 1/2W 101J |
| 3-SW1 | ES-364176 | SW PUSH SPPH11 2-02-02N |
| 3-VR1 to 5 | EV-364174 | VR SLIDE 25P2SVOA W104 |
| 3-VR6 | EV-364175 | VR SLIDE 25P1SV W105 |
| 3-VR7 | EV-358563 | VR SLIDE 60P2SVOM B254 |

## 3. CONTROL PC BOARD (AM-A302, 402)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 3-D1 to 3 | ED-361885 | D LED SLP284C-51U GREEN |
| 3-D4, 5, 12 | ED-354114 | D LED BR-5507S RED |
| 3-D6 to 9 | ED-361885 | D LED SLP284C-51U GREEN |
| 3-D10, 11 | ED-361803 | D LED SLP484C-51 YELLOW |
| 3-D13 | ED-313846 | D ZENER H HZ16 3 |
| 3-IC1 | EI-355211 | IC M5227P |
| 3-IC2 | EI-358562 | IC LB1416 |
| 3-R15, 16 | ER-333692 | ⚠ R CB H S15 FS RDS 1/2W 750J |
| 3-R23 | ER-333639 | ⚠ R CB H S15 FS RDS 1/2W 242J |
| 3-R24 to 27 | ER-333680 | ⚠ R CB H S15 FS RDS 1/2W 560J |
| 3-SW1 | ES-364176 | SW PUSH SPPH11 2-02-02N |
| 3-TR1 | ET-360067 | TR 2SC3330 T,U F05 |
| 3-TR2 | ET-353899 | TR 2SA1317 S,T,U |
| 3-VR1 to 5 | EV-364174 | VR SLIDE 25P2SVOA W104 |
| 3-VR6 | EV-364175 | VR SLIDE 25P1SV W105 |
| 3-VR7 | EV-358563 | VR SLIDE 60P2SVOM B254 |
| 3-VR8 | EV-363157 | R S-FIX H RH0615CN4J 3P 333 |

## 4. FUNCTION PC BOARD (AM-A102, 202)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 4-IC1 | EI-349719 | IC M5218P |
| 4-R5, 6 | ER-333616 | R CB H S15 FS RDS 1/2W 151J |
| 4-SW1 | ES-358537 | SW PUSH ESB-62968 4 THROW |

## 4. FUNCTION PC BOARD (AM-A302, 402)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 4-IC1 | EI-337228 | IC M5218L |
| 4-R5, 6 | ER-324935 | R CB H S15 FS RDS 1/2W 181J |
| 4-R7 to 12 | ER-318430 | R OMF H S15 FS 1W 102J (AM-A302) |
| 4-R7 to 12 | ER-324670 | R OMF H S20 FS 2W 102J (AM-A402) |
| 4-SW1 | ES-358564 | SW PUSH ESB-62969 6 THROW |

## 5. EQUALIZER PC BOARD

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 5-IC1 | EI-344764 | IC M5218P-21 |
| 5-P1 | EJ-336904 | PIN J AJC-036-ACB P 6P |
| 5-R9, 10 | ER-333616 | R CB H S15 FS RDS 1/2W 151J (AM-A102, 202) |
| 5-R9, 10 | ER-324935 | R CB H S15 FS RDS 1/2W 181J (AM-A302, 402) |

## 6. PIN J PC BOARD

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 6-P1, 2 | EJ-343365 | PIN J YMC21-0063 P 4P |
| 6-P3 | EJ-364546 | PIN J YKC21-0070A P 1P (AM-A102, 202) |
| 6-P3, 4 | EJ-343365 | PIN J YMC21-0063 P 4P (AM-A302, 402) |

## 7. SPEAKERS PC BOARD

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 7-TM902 | EJ-349401 | TERMINAL LEVER YKD21-0027 8P |

## 8. HEAD PHONE PC BOARD

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 8-J1 | EJ-358535 | PHONE J 3P M1669-ACCB 6.3 |
| 8-L1 | EO-336934 | COIL FIX 1 LAL03KH 2R2M (AM-A202 [V], AM-A302 [V]) |

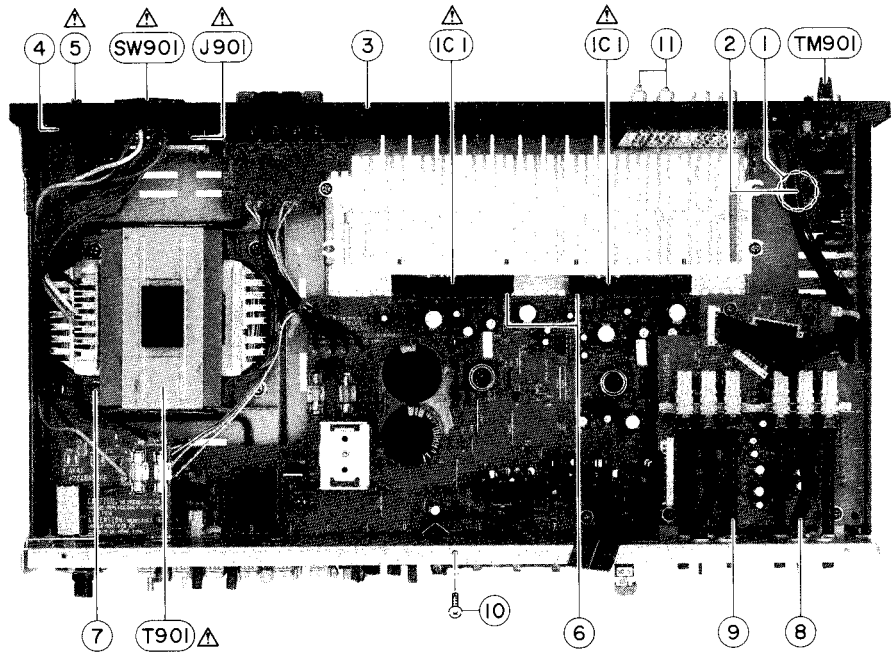
## 9. POWER SW PC BOARD

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 9-C1A | EC-320548 | ⚠ C CE V F 103Z 250AC [U] |
| 9-C1B | EC-338411 | ⚠ C CE V FZ 103P 400AC [C,A] |
| 9-C1C | EC-338496 | ⚠ C CE V FZ 472P 400AC [E,V,B,S] |
| 9-SW1 | ES-337902 | ⚠ SW PUSH SDLD1P 01-1 (AM-A102, AM-A202) |
| 9-SW1 | ES-361970 | ⚠ SW PUSH SDDLB1 01-1 (AM-A302, AM-A402) |
| 9-F1A | EF-311839 | ⚠ FUSE TSC A 250V 1.60A (AM-A102 [U]) |
| 9-F1A | EF-326639 | ⚠ FUSE TSC A 250V 3.15A (AM-A202 [U]) |
| 9-F1A | EF-326639 | ⚠ FUSE TSC A 250V 3.15A (AM-A302 [U]) |
| 9-F1A | EF-306952 | ⚠ FUSE TSC A 250V 4.00A (AM-A402 [U]) |
| 9-F1B | EF-323080 | ⚠ FUSE TSC 125V 3.15A (AM-A202 [C,A]) |
| 9-F1B | EF-346139 | ⚠ FUSE TSC 125V 5.00A (AM-A302 [C,A]) |
| 9-F1B | EF-346115 | ⚠ FUSE TSC 125V 6.30A (AM-A402 [C,A]) |
| 9-F1C | EF-602550 | ⚠ FUSE SEMKO T 1.25A 250V (AM-A102 [E,S], 202 [E,V,S]) |
| 9-F1C | EF-601301 | ⚠ FUSE SEMKO T 2.00A 250V (AM-A302 [E,V,S]) |
| 9-F1C | EF-691007 | ⚠ FUSE SEMKO T 3.15A 250V (AM-A402 [E,S]) |
| 9-F1D | EF-359007 | ⚠ FUSE BET T 1.25A 250V (AM-A102 [B], 202 [B]) |
| 9-F1D | EF-355398 | ⚠ FUSE BET T 2.00A 250V (AM-A302 [B]) |
| 9-F2 | EF-311839 | ⚠ FUSE TSC A 250V 1.60A (AM-A102 [U]) |
| 9-F2 | EF-326639 | ⚠ FUSE TSC A 250V 3.15A (AM-A202 [U], 302 [U]) |
| 9-F2 | EF-306952 | ⚠ FUSE TSC A 250V 4.00A (AM-A402 [U]) |

## 10. FILTER PC BOARD (AM-A202, 302 [V] ONLY)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 10-L1 | EO-338409 | COIL LF FKOB160MH02 250UH [V] |

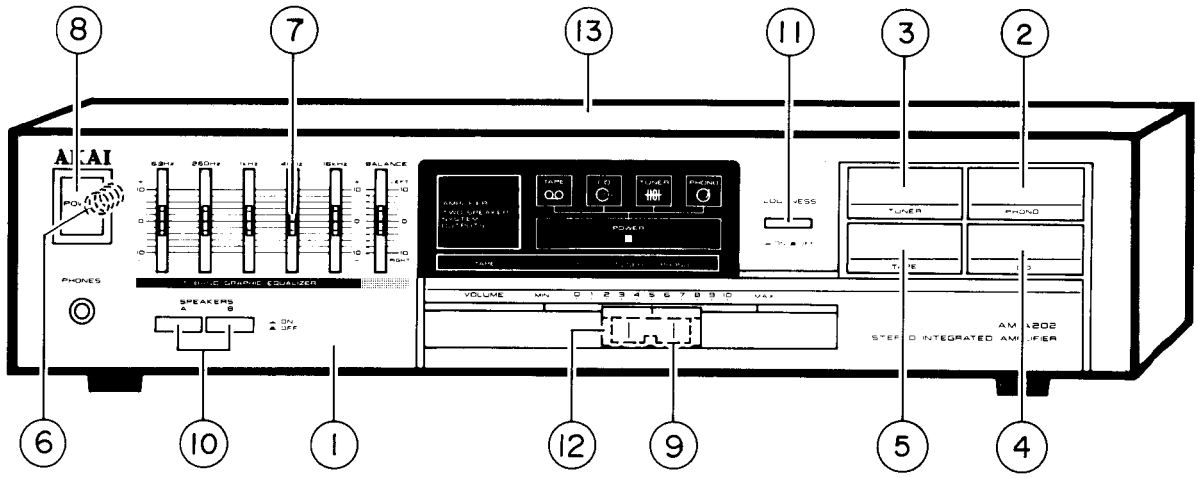
## ASSEMBLY BLOCK




## 11. ASSEMBLY BLOCK

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| 11-1 | SA-332850 | ROUND FOOT |
| 11-2 | ZS-311745 | T2BR30×08STL BNI PW080 (FOOT FIX) |
| 11-3A | SP-364012A | PANEL REAR AM-A102 [U] |
| 11-3A | SP-364012D | PANEL REAR AM-A202 [U] |
| 11-3A | SP-364012H | PANEL REAR AM-A302 [U] |
| 11-3A | SP-364012M | PANEL REAR AM-A402 [U] |
| 11-3B | SP-364012E | PANEL REAR AM-A202 [C,A] |
| 11-3B | SP-364012J | PANEL REAR AM-A302 [C,A] |
| 11-3B | SP-364012N | PANEL REAR AM-A402 [C,A] |
| 11-3B | SP-364012B | PANEL REAR AM-A102 [E] |
| 11-3C | SP-364012F | PANEL REAR AM-A202 [E,V] |
| 11-3C | SP-364012K | PANEL REAR AM-A302 [E,V] |
| 11-3C | SP-364012P | PANEL REAR AM-A402 [E] |
| 11-3C | SP-364012C | PANEL REAR AM-A102 [S,B] |
| 11-3D | SP-364012G | PANEL REAR AM-A202 [B,S] |
| 11-3D | SP-364012L | PANEL REAR AM-A302 [B,S] |
| 11-3D | SP-364012Q | PANEL REAR AM-A402 [S] |
| 11-4 | ZS-308846 | T2BR30×08STL BZN PROJECTION (PANEL REAR FIX) |
| 11-5A | EW-354515 | ⚠ AC CORD 2 CORES KP-700A, VFF-CB U/T [U] |
| 11-5B | EW-358513 | ⚠ AC CORD 2 CORES KD-8W, SPT-2-CB UC [C,A] |
| 11-5C | EW-354625 | ⚠ AC CORD 2 CORES KP-419C, LTCE-2F E [E] |
| 11-5D | EW-354513 | ⚠ AC CORD 2 CORES KP-419C, LTCE-2F EV [V] |
| 11-5E | EW-354512 | ⚠ AC CORD 2 CORES LTBS-2F-CB B [B] |
| 11-5F | EW-354514 | ⚠ AC CORD 2 CORES KP-560, LTSA2F-CB S [S] |
| 11-6 | ZS-321279 | T2BR30×18STL CMT (IC FIX) |
| 11-7 | ZS-346742 | ST BID40×08STL CMT CUP (TRANS POWER FIX) |
| 11-8 | TA-358475 | JOINT (A) |
| 11-9 | TA-358473B | JOINT (B)-2 |
| 11-10 | ZS-498273 | T2BR30×08STL CMT PW080 (PANEL FRONT FIX) |
| 11-11 | EJ-348218 | PLUG SHORT PIN P2138 |
| 11-T901A | BT-352426 | ⚠ TRANS POWER AM-A1T-70 (AM-A102 [U]) |
| 11-T901A | BT-358517 | ⚠ TRANS POWER AM-A201-70 (U) (AM-A202 [U]) |
| 11-T901A | BT-358545 | ⚠ TRANS POWER AM-A301-70 (U) (AM-A302 [U]) |
| 11-T901A | BT-364647 | ⚠ TRANS POWER AM-A402T-70 (U) (AM-A402 [U]) |
| 11-T901B | BT-364154 | ⚠ TRANS POWER AM-A202-30 (AM-A202 [C]) |
| 11-T901B | BT-364552 | ⚠ TRANS POWER AM-A302T-20 (C,A) (AM-A302 [C,A]) |
| 11-T901B | BT-364649 | ⚠ TRANS POWER AM-A402T-20 (C,A) (AM-A402 [C,A]) |
| 11-T901C | BT-364155 | ⚠ TRANS POWER AM-A202-20 (AM-A202 [A]) |
| 11-T901B | BT-352430 | ⚠ TRANS POWER AM-A1T-40 (AM-A102 [E]) |
| 11-T901D | BT-358520 | ⚠ TRANS POWER AM-A201-40 (E) (AM-A202 [E]) |
| 11-T901C | BT-358549 | ⚠ TRANS POWER AM-A301-40 (E,V) (AM-A302 [E,V]) |
| 11-T901C | BT-364650 | ⚠ TRANS POWER AM-A402T-40 (E) (AM-A402 [E]) |
| 11-T901C | BT-352431 | ⚠ TRANS POWER AM-A1T-50 (AM-A102 [B,S]) |
| 11-T901E | BT-358521 | ⚠ TRANS POWER AM-A201-50 (B,S) (AM-A202 [B,S]) |
| 11-T901D | BT-358550 | ⚠ TRANS POWER AM-A301-50 (B,S) (AM-A302 [B,S]) |
| 11-T901D | BT-364651 | ⚠ TRANS POWER AM-A402T-50 (S) (AM-A402 [S]) |
| 11-T901F | BT-370321 | ⚠ TRANS POWER A2047-V (AM-A202 [V]) |
| 11-J901A | EJ-337405 | ⚠ SOCKET OUTLET S2T733T164 JUC 3×2P [U] |
| 11-J901B | EJ-352642 | ⚠ SOCKET OUTLET S2T733T114T [C,A] |
| 11-SW901 | ES-349070 | ⚠ SW SELECTOR YKS11-0002 02-4 [U] |
| 11-TM901 | EJ-329610 | TERMINAL W/SCREW UB-0067 L 1P |
| 11-IC1 | EI-352644 | ⚠ IC STK4141II (AM-A102) |
| 11-IC1A | EI-358554 | ⚠ IC STK4152II (AM-A202 [U,E,V,B,S]) |
| 11-IC1A | EI-366366 | ⚠ IC STK4038II (AM-A302 [U,E,V,B,S]) |
| 11-IC1 | EI-364646 | ⚠ IC STK4044II (AM-A402) |
| 11-IC1B | EI-364171 | ⚠ IC STK4171II (AM-A202 [C,A]) |
| 11-IC1B | EI-364549 | ⚠ IC STK4042II (AM-A302 [C,A]) |

## FINAL ASSEMBLY BLOCK




### 12. FINAL ASSEMBLY BLOCK (AM-A102, 202)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| | **PANEL FRONT BLOCK** | |
| 12-1 | BD-A2047A090C | PANEL FRONT BLK AM-A102 |
| 12-1 | BD-A2047A090A | PANEL FRONT BLK AM-A202 |
| 12-1-B | BD-A2047A090D | PANEL FRONT BLK AM-A102-B |
| 12-1-B | BD-A2047A090B | PANEL FRONT BLK AM-A202-B |
| 12-2 | SK-363997A | KNOB FUNCTION (A) PHONO |
| 12-2-B | SK-363997E | KNOB FUNCTION (A) PHONO-B |
| 12-3 | SK-363997B | KNOB FUNCTION (A) TUNER |
| 12-3-B | SK-363997F | KNOB FUNCTION (A) TUNER-B |
| 12-4 | SK-363997C | KNOB FUNCTION (A) CD |
| 12-4-B | SK-363997G | KNOB FUNCTION (A) CD-B |
| 12-5 | SK-363997D | KNOB FUNCTION (A) TAPE |
| 12-5-B | SK-363997H | KNOB FUNCTION (A) TAPE-B |
| 12-6 | ZG-355238 | SP PUSH POWER |
| 12-7 | SK-363999 | KNOB EQ |
| 12-7-B | SK-363999B | KNOB EQ-B |
| 12-8 | SK-343017C | KNOB POWER (2) |
| 12-8-B | SK-343017F | KNOB POWER-B |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| | **FINAL ASSEMBLY BLOCK** | |
| 12-9 | SZ-358557 | SHEET |
| 12-10 | SK-358479B | KNOB (F-2) |
| 12-10-B | SK-358479A | KNOB (F-1) |
| 12-11 | SK-363998A | KNOB LOUDNESS |
| 12-11-B | SK-363998B | KNOB LOUDNESS-B |
| 12-12 | SK-358474B | KNOB (D-2) |
| 12-12-B | SK-358474A | KNOB (D-1) |
| 12-13 | SP-349925A | COVER UPPER |
| 12-13-B | SP-349925C | COVER UPPER-B |

**NOTE:**

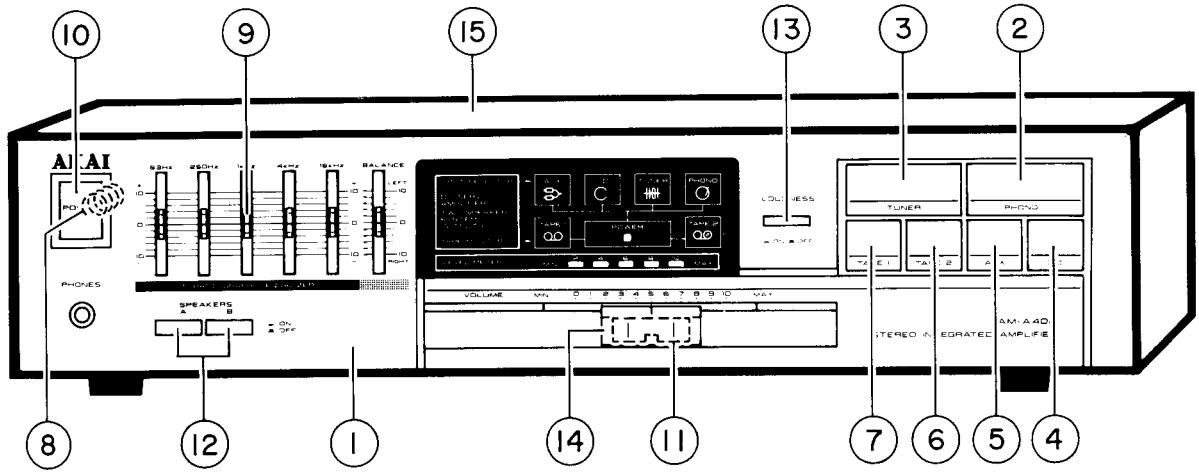
PANEL FRONT BLK includes 12-2 to 12-8.

SYMBOL FOR COLOR VARIATION

NON: STANDARD COLOR

–B : BLACK

## FINAL ASSEMBLY BLOCK




### 12. FINAL ASSEMBLY BLOCK (AM-A302, 402)

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| | **PANEL FRONT BLOCK** | |
| 12-1 | BD-A2048A040A | PANEL FRONT BLK AM-A302 |
| 12-1 | BD-A2048A040C | PANEL FRONT BLK AM-A402 |
| 12-1-B | BD-A2048A040B | PANEL FRONT BLK AM-A302-B |
| 12-1-B | BD-A2048A040D | PANEL FRONT BLK AM-A402-B |
| 12-2 | SK-363997A | KNOB FUNCTION (A) PHONO |
| 12-2-B | SK-363997E | KNOB FUNCTION (A) PHONO-B |
| 12-3 | SK-363997B | KNOB FUNCTION (A) TUNER |
| 12-3-B | SK-363997F | KNOB FUNCTION (A) TUNER-B |
| 12-4 | SK-364457A | KNOB FUNCTION (B) CD |
| 12-4-B | SK-364457E | KNOB FUNCTION (B) CD-B |
| 12-5 | SK-364457B | KNOB FUNCTION (B) AUX |
| 12-5-B | SK-364457F | KNOB FUNCTION (B) AUX-B |
| 12-6 | SK-364457C | KNOB FUNCTION (B) TAPE 2 |
| 12-6-B | SK-364457G | KNOB FUNCTION (B) TAPE 2-B |
| 12-7 | SK-364457D | KNOB FUNCTION (B) TAPE 1 |
| 12-7-B | SK-364457H | KNOB FUNCTION (B) TAPE 1-B |
| 12-8 | ZG-355238 | SP PUSH POWER |
| 12-9 | SK-363999 | KNOB EQ |
| 12-9-B | SK-363999B | KNOB EQ-B |
| 12-10 | SK-343017C | KNOB POWER (2) |
| 12-10-B | SK-343017F | KNOB POWER-B |

| REF. NO. | PART NO. | DESCRIPTION |
|---|---|---|
| | **FINAL ASSEMBLY BLOCK** | |
| 12-11 | SZ-358557 | SHEET |
| 12-12 | SK-358479B | KNOB (F-2) |
| 12-12-B | SK-358479A | KNOB (F-1) |
| 12-13 | SK-363998A | KNOB LOUDNESS |
| 12-13-B | SK-363998B | KNOB LOUDNESS-B |
| 12-14 | SK-358474B | KNOB (D-2) |
| 12-14-B | SK-358474A | KNOB (D-1) |
| 12-15 | SP-349925E | COVER UPPER (B) (AM-A302) |
| 12-15 | SP-349925G | COVER UPPER (C) (AM-A402) |
| 12-15-B | SP-349925F | COVER UPPER (B)-B (AM-A302) |
| 12-15-B | SP-349925H | COVER UPPER (C)-B (AM-A402) |

**NOTE:**

PANEL FRONT BLK includes 12-2 to 12-10.

SYMBOL FOR COLOR VARIATION

NON: STANDARD COLOR

–B : BLACK

# INDEX

## AM-A102/A202


| PART NO. | REF. NO. | PART NO. | REF. NO. | PART NO. | REF. NO. | PART NO. | REF. NO. |
|---|---|---|---|---|---|---|---|
| BA-A2047A020A | 1-2A | EF-323080 | 9-F1B | ER-333616 | 5-R9 | SP-364012D | 11-3A |
| BA-A2047A020B | 1-2B | EF-326639 | 9-F1A,2-F3A | ER-333616 | 5-R10 | SP-364012E | 11-3B |
| BA-A2047A020C | 1-2C,1-2B | EF-326639 | 9-F2,2-F4A | ER-341331 | 2-R12 | SP-364012F | 11-3C |
| BA-A2047A020D | 1-2D | EF-359007 | 9-F1D | ER-341940 | 2-R10 | SP-364012G | 11-3D |
| BA-A2047A020E | 1-2A | EF-359225 | 2-F3D | ER-341940 | 2-R11 | SZ-358557 | 12-9 |
| BA-A2047A030A | 1-1A | EF-359225 | 2-F4D | ES-337902 | 9-SW1 | TA-358473B | 11-9 |
| BA-A2047A030B | 1-1B | EF-364518 | 2-F3C,F4C | ES-349070 | 11-SW901 | TA-358475 | 11-8 |
| BA-A2047A030C | 1-1C | EF-602550 | 9-F1C | ES-358537 | 4-SW1 | ZG-355238 | 12-6 |
| BA-A2047A030D | 1-1D | EF-623125 | 2-F3B,F4B | ES-359963 | 2-SW2 | ZS-308846 | 11-4 |
| BA-A2047A030E | 1-1A | EF-691007 | 2-F3C | ES-364176 | 3-SW1 | ZS-311745 | 11-2 |
| BA-A2047A030F | 1-1B | EF-691007 | 2-F4C | ET-310148 | 2-TR1 | ZS-321279 | 11-6 |
| BD-A2047A090A | 12-1 | EI-344764 | 5-IC1 | ET-322598 | 2-TR2 | ZS-346742 | 11-7 |
| BD-A2047A090B | 12-1-B | EI-349719 | 4-IC1 | ET-363953 | 2-TR3 | ZS-498273 | 11-10 |
| BD-A2047A090C | 12-1 | EI-352644 | 11-IC1 | EV-358563 | 3-VR7 | | |
| BD-A2047A090D | 12-1-B | EI-355211 | 3-IC1 | EV-364174 | 3-VR1 | | |
| BT-352426 | 11-T901A | EI-358554 | 11-IC1A | EV-364174 | 3-VR2 | | |
| BT-352430 | 11-T901B | EI-364171 | 11-IC1B | EV-364174 | 3-VR3 | | |
| BT-352431 | 11-T901C | EJ-329610 | 11-TM901 | EV-364174 | 3-VR4 | | |
| BT-358517 | 11-T901A | EJ-336904 | 5-P1 | EV-364174 | 3-VR5 | | |
| BT-358520 | 11-T901D | EJ-337405 | 11-J901A | EV-364175 | 3-VR6 | | |
| BT-358521 | 11-T901E | EJ-343365 | 6-P1 | EW-354512 | 11-5E | | |
| BT-364154 | 11-T901B | EJ-343365 | 6-P2 | EW-354513 | 11-5D | | |
| BT-364155 | 11-T901C | EJ-348218 | 11-11 | EW-354514 | 11-5F | | |
| BT-370321 | 11-T901F | EJ-349401 | 7-TM902 | EW-354515 | 11-5A | | |
| EC-320548 | 9-C1A | EJ-352642 | 11-J901B | EW-354625 | 11-5C | | |
| EC-326583 | 2-C19 | EJ-358535 | 8-J1 | EW-358513 | 11-5B | | |
| EC-338411 | 9-C1B | EJ-364546 | 6-P3 | SA-332850 | 11-1 | | |
| EC-338496 | 9-C1C,9-C1B | EO-336934 | 8-L1 | SK-343017C | 12-8 | | |
| EC-352643 | 2-C13,C16 | EO-337880 | 2-L1 | SK-343017F | 12-8-B | | |
| EC-358538 | 2-C16A | EO-338409 | 10-L1 | SK-358474A | 12-12-B | | |
| EC-358538 | 2-C13A | ER-200746 | 2-FR2 | SK-358474B | 12-12 | | |
| EC-361665 | 2-C13B | ER-305722 | 2-R12 | SK-358479A | 12-10-B | | |
| EC-361665 | 2-C16B | ER-306805 | 3-R10 | SK-358479B | 12-10 | | |
| ED-200213 | 2-D5 | ER-306805 | 3-R11 | SK-363997A | 12-2 | | |
| ED-301911 | 2-D1 | ER-308875 | 2-R10,R11 | SK-363997B | 12-3 | | |
| ED-306320 | 2-D3 | ER-318430 | 2-R19 | SK-363997C | 12-4 | | |
| ED-306320 | 2-D4 | ER-323074 | 2-R18 | SK-363997D | 12-5 | | |
| ED-306320 | 2-D6 | ER-323074 | 2-R22 | SK-363997E | 12-2-B | | |
| ED-329056 | 2-D2 | ER-325269 | 2-R7 | SK-363997F | 12-3-B | | |
| ED-350748 | 2-D5 | ER-328082 | 2-R15 | SK-363997G | 12-4-B | | |
| ED-354114 | 3-D1 | ER-328082 | 2-R17 | SK-363997H | 12-5-B | | |
| ED-361803 | 3-D2 | ER-328082 | 2-R21 | SK-363998A | 12-11 | | |
| ED-361885 | 3-D3 | ER-328278 | 2-FR1 | SK-363998B | 12-11-B | | |
| ED-361885 | 3-D4 | ER-328278 | 2-FR3 | SK-363999 | 12-7 | | |
| ED-361885 | 3-D5 | ER-328278 | 2-FR4 | SK-363999B | 12-7-B | | |
| EF-306952 | 2-F3A | ER-333355 | 2-R9 | SP-349925A | 12-13 | | |
| EF-306952 | 2-F4A | ER-333598 | 3-R8 | SP-349925C | 12-13-B | | |
| EF-306957 | 2-F3B | ER-333598 | 3-R9 | SP-364012A | 11-3A | | |
| EF-306957 | 2-F4B | ER-333616 | 4-R5 | SP-364012B | 11-3B | | |
| EF-311839 | 9-F1A,F2 | ER-333616 | 4-R6 | SP-364012C | 11-3C | | |

# AM-A302/A402

| PART NO. | REF. NO. | PART NO. | REF. NO. | PART NO. | REF. NO. | PART NO. | REF. NO. |
|---|---|---|---|---|---|---|---|
| BA-A2048A020A | 1-1A | EF-242605 | 2-F3C,F4C | ER-333680 | 3-R25 | SK-364457H | 12-7-B |
| BA-A2048A020B | 1-1B | EF-249851 | 2-F3C | ER-333680 | 3-R26 | SP-349925E | 12-15 |
| BA-A2048A020C | 1-1C | EF-249851 | 2-F4C | ER-333680 | 3-R27 | SP-349925F | 12-15-B |
| BA-A2048A020D | 1-1D | EF-306952 | 9-F1A,F2 | ER-333692 | 3-R15 | SP-349925G | 12-15 |
| BA-A2048A020E | 1-1A | EF-326639 | 9-F1A | ER-333692 | 3-R16 | SP-349925H | 12-15-B |
| BA-A2048A020F | 1-1B | EF-326639 | 9-F2 | ER-341940 | 2-R12 | SP-364012H | 11-3A |
| BA-A2048A020G | 1-1C | EF-341260 | 2-F3A | ER-341940 | 2-R13 | SP-364012J | 11-3B |
| BA-A2048A030A | 1-2A | EF-341260 | 2-F4A | ER-345466 | 2-R11 | SP-364012K | 11-3C |
| BA-A2048A030B | 1-2B | EF-345658 | 2-F3B | ER-345751 | 2-FR3 | SP-364012L | 11-3D |
| BA-A2048A030C | 1-2C | EF-345658 | 2-F4B | ER-345751 | 2-FR4 | SP-364012M | 11-3A |
| BA-A2048A030D | 1-2D | EF-346115 | 9-F1B | ER-345751 | 2-FR5 | SP-364012N | 11-3B |
| BA-A2048A030E | 1-2A | EF-346139 | 9-F1B | ES-349070 | 11-SW901 | SP-364012P | 11-3C |
| BA-A2048A030F | 1-2B | EF-355398 | 9-F1D | ES-358556 | 2-SW1 | SP-364012Q | 11-3D |
| BA-A2048A030G | 1-2C | EF-355399 | 2-F3D | ES-358564 | 4-SW1 | SZ-358557 | 12-11 |
| BD-A2048A040A | 12-1 | EF-355399 | 2-F4D | ES-361970 | 9-SW1 | TA-358473B | 11-9 |
| BD-A2048A040B | 12-1-B | EF-601301 | 9-F1C | ES-364176 | 3-SW1 | TA-358475 | 11-8 |
| BA-A2048A040C | 12-1 | EF-691007 | 9-F1C | ET-305463 | 2-TR2 | ZG-355238 | 12-8 |
| BA-A2048A040D | 12-1-B | EI-337228 | 4-IC1 | ET-307195 | 2-TR1 | ZS-308846 | 11-4 |
| BT-358545 | 11-T901A | EI-344764 | 5-IC1 | ET-344176 | 2-TR3 | ZS-311745 | 11-2 |
| BT-358549 | 11-T901C | EI-349719 | 2-IC2 | ET-344176 | 2-TR4 | ZS-321279 | 11-6 |
| BT-358550 | 11-T901D | EI-354080 | 2-IC3 | ET-347026 | 2-TR5 | ZS-346742 | 11-7 |
| BT-364552 | 11-T901B | EI-355211 | 3-IC1 | ET-353899 | 3-TR2 | ZS-498273 | 11-10 |
| BT-364647 | 11-T901A | EI-358562 | 3-IC2 | ET-360067 | 2-TR6 | | |
| BT-364649 | 11-T901B | EI-364549 | 11-IC1B | ET-360067 | 3-TR1 | | |
| BT-364650 | 11-T901C | EI-364646 | 11-IC1 | EV-358563 | 3-VR7 | | |
| BT-364651 | 11-T901D | EI-366366 | 11-IC1A | EV-363157 | 3-VR8 | | |
| EC-201627 | 2-C10,C11 | EJ-329610 | 11-TM901 | EV-364174 | 3-VR1 | | |
| EC-320548 | 9-C1A | EJ-336904 | 5-P1 | EV-364174 | 3-VR2 | | |
| EC-325320 | 2-C13 | EJ-337405 | 11-J901A | EV-364174 | 3-VR3 | | |
| EC-325320 | 2-C14 | EJ-343365 | 6-P1 | EV-364174 | 3-VR4 | | |
| EC-326583 | 2-C22 | EJ-343365 | 6-P2 | EV-364174 | 3-VR5 | | |
| EC-334005 | 2-C18 | EJ-343365 | 6-P3 | EV-364175 | 3-VR6 | | |
| EC-338411 | 9-C1B | EJ-343365 | 6-P4 | EW-354512 | 11-5E | | |
| EC-338496 | 9-C1C | EJ-348218 | 11-11 | EW-354513 | 11-5D | | |
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| EC-358559 | 2-C26 | EJ-352642 | 11-J901B | EW-354515 | 11-5A | | |
| EC-360273 | 2-C23A | EJ-358535 | 8-J1 | EW-354625 | 11-5C | | |
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| ED-322046 | 2-D7 | ER-200746 | 2-FR1 | SK-358474A | 12-14-B | | |
| ED-322046 | 2-D8 | ER-200746 | 2-FR2 | SK-358474B | 12-14 | | |
| ED-346627 | 2-D5 | ER-306128 | 2-R26 | SK-358479A | 12-12-B | | |
| ED-348990 | 2-D1 | ER-318430 | 4-R7 | SK-358479B | 12-12 | | |
| ED-348990 | 2-D2 | ER-318430 | 4-R8 | SK-363997A | 12-2 | | |
| ED-348990 | 2-D3 | ER-318430 | 4-R9 | SK-363997B | 12-3 | | |
| ED-348990 | 2-D4 | ER-318430 | 4-R10 | SK-363997E | 12-2-B | | |
| ED-354114 | 3-D4 | ER-318430 | 4-R11 | SK-363997F | 12-3-B | | |
| ED-354114 | 3-D5 | ER-318430 | 4-R12 | SK-363998A | 12-13 | | |
| ED-354114 | 3-D12 | ER-324670 | 4-R7 to R12 | SK-363998B | 12-13-B | | |
| ED-361803 | 3-D10 | ER-324935 | 4-R5 | SK-363999 | 12-9 | | |
| ED-361803 | 3-D11 | ER-324935 | 4-R6 | SK-363999B | 12-9-B | | |
| ED-361885 | 3-D1 | ER-324935 | 5-R9 | SK-364457A | 12-4 | | |
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| ED-361885 | 3-D6 | ER-333102 | 2-R27 | SK-364457D | 12-7 | | |
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# ABBREVIATIONS (AMPLIFIER)

| ABBREVIATIONS | EXPLANATION |
|---|---|
| AC | Alternating Current |
| AMP | AMPiifier |
| CD | Compact Disc |
| DC | Direct Current |
| GND | GrouND |
| MC | Moving Coil |
| MM | Moving Magnet |
| PCB | Printed Circuit Board |
| REC | RECord |
| SW | SWitch |
| V.DISC | Video DISC |
| VR | Variable Resistance |
| VTR | Video Tape Recorder |

**AKAI ELECTRIC CO., LTD.**

12-14, 2-Chome, Higashi-Kojiya, Ohta-Ku, Tokyo, Japan
TEL: Tokyo (742) 5111 CABLE: HIFIAKAI TOKYO TELEX: J26261
Printed No. 860604-G1-3900 Printed Date: July 4, 1986
350 Printed in Japan

# AKAI

## MODEL AM-A102
## MODEL AM-A202
## MODEL AM-A302
## MODEL AM-A402

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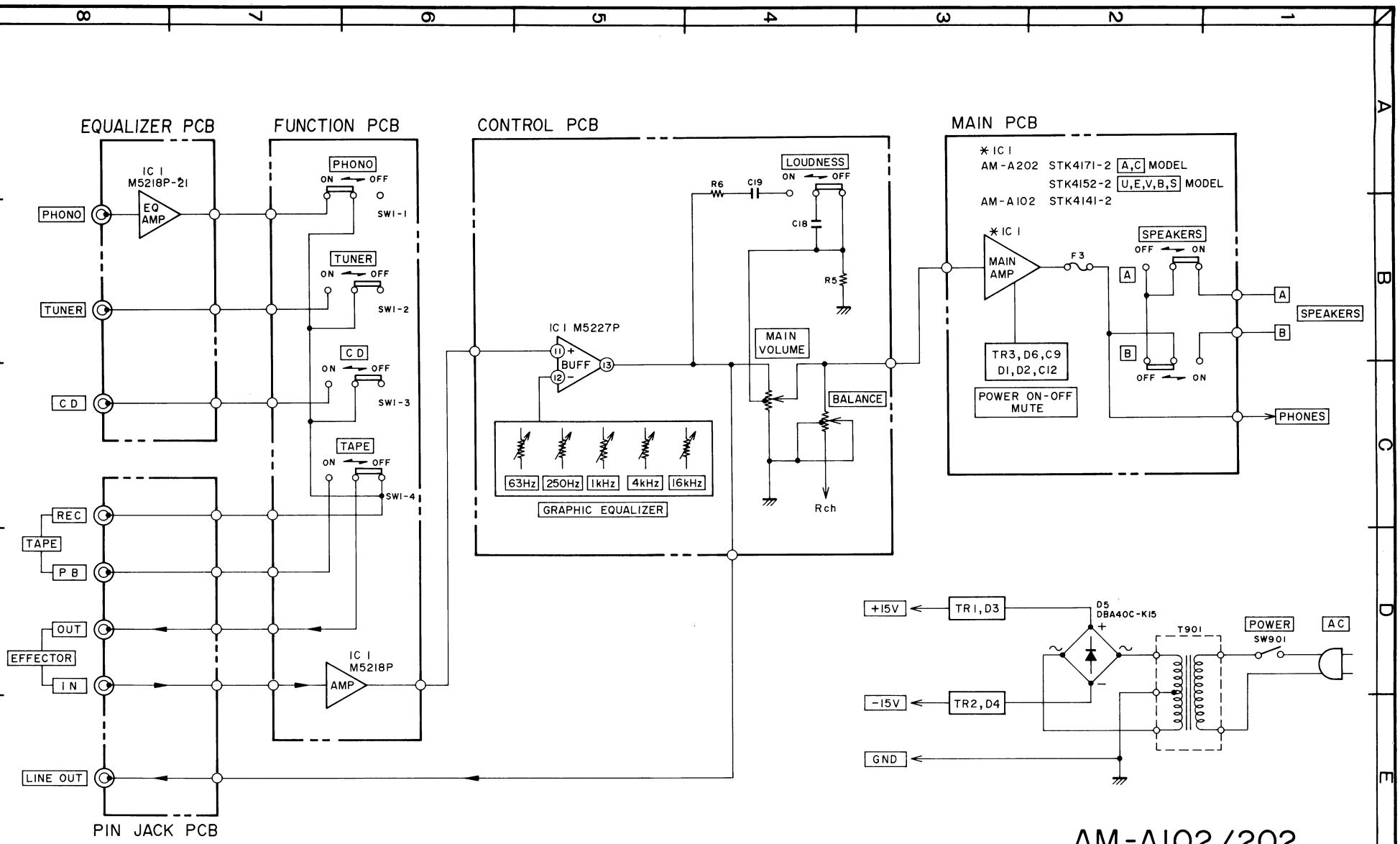
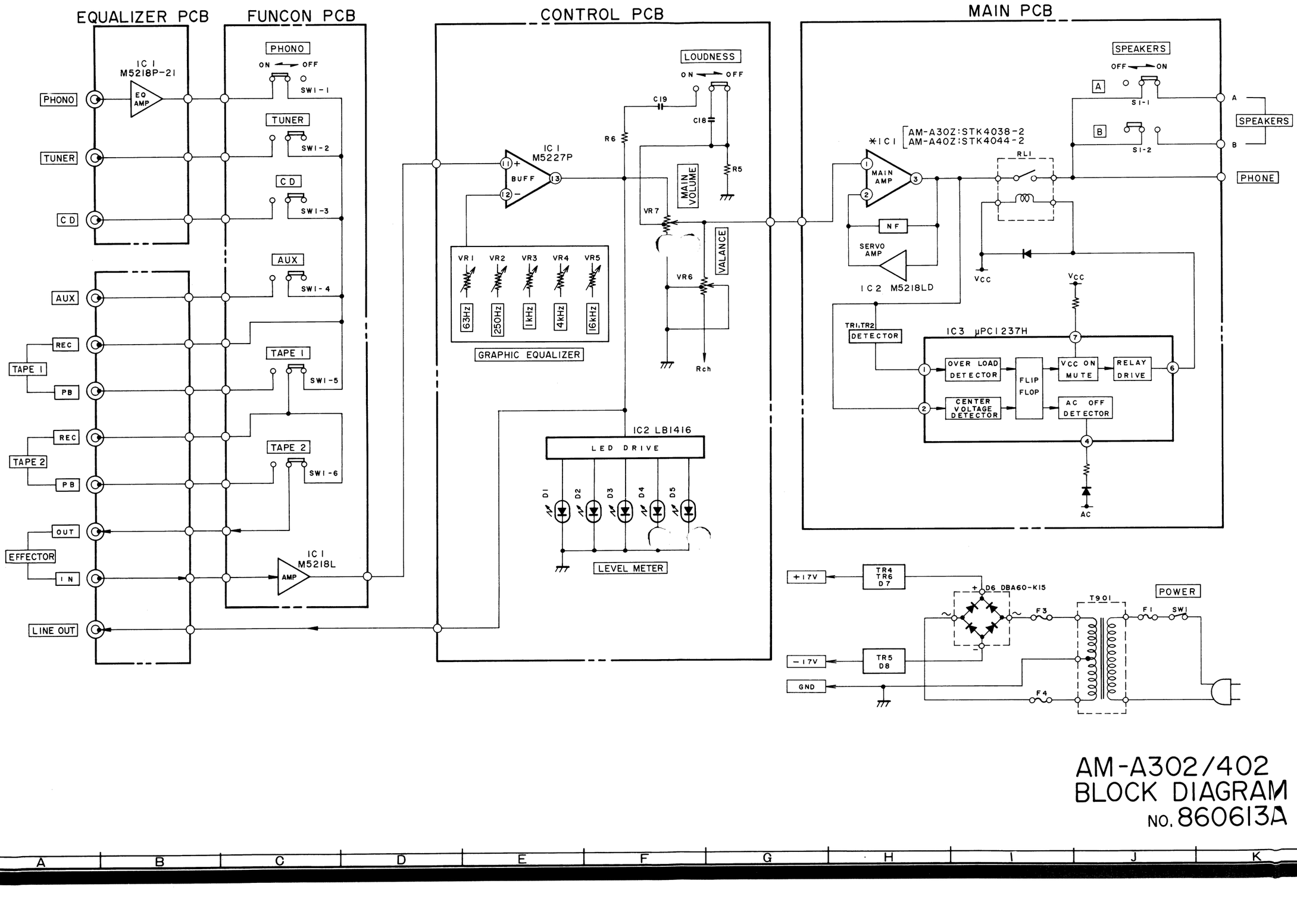
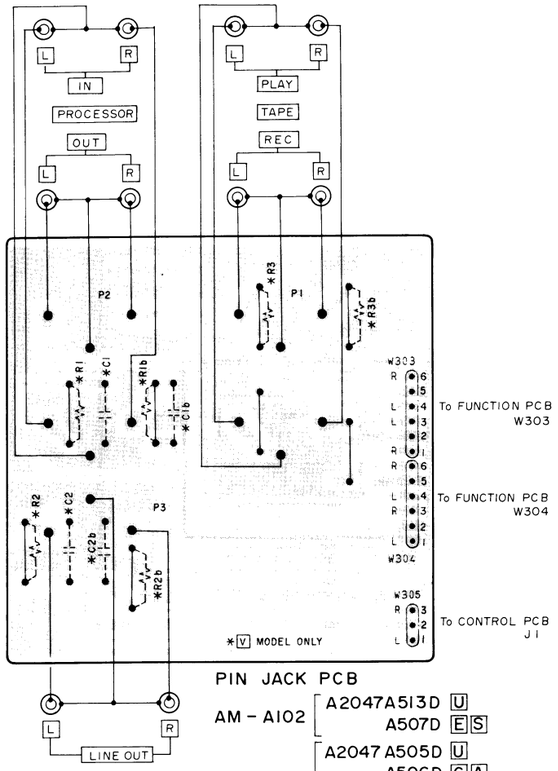



# AM-A102/202 BLOCK DIAGRAM

NO. 860611A (A3)



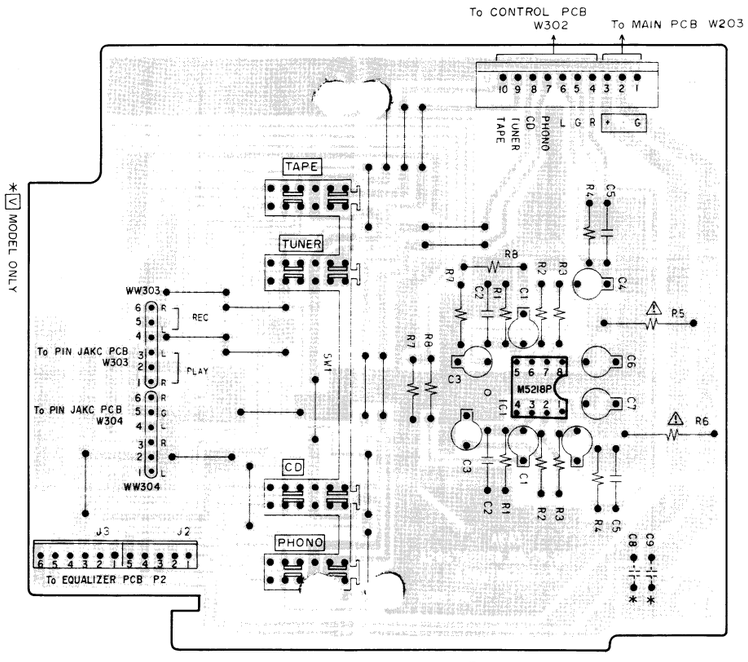

# AM-A302/402
# BLOCK DIAGRAM
NO. 860613A




PIN JACK PCB

AM - A102
- A2047A513D U
- A507D E S

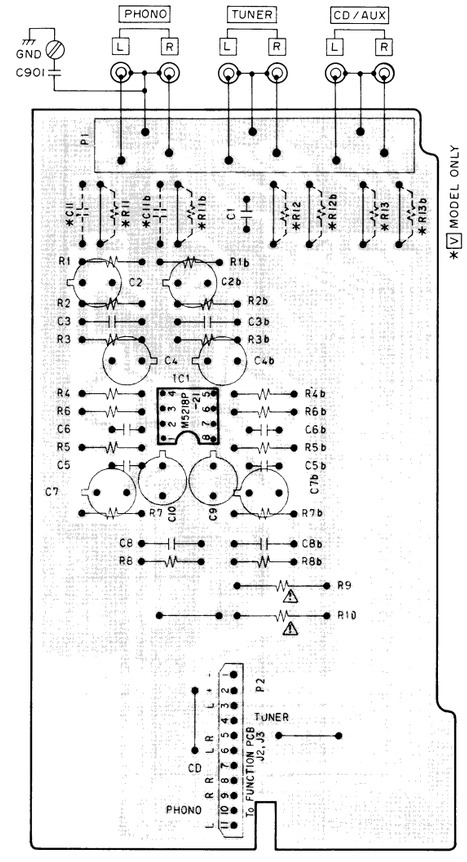
AM - A202
- A2047A505D U
- A506D C A
- A507D E B S
- A508D V




FUNCTION PCB

AM - A102
- A2047A513B U
- A507B E S

AM - A202
- A2047A505B U
- A506B C A
- A507B E B S
- A508B V



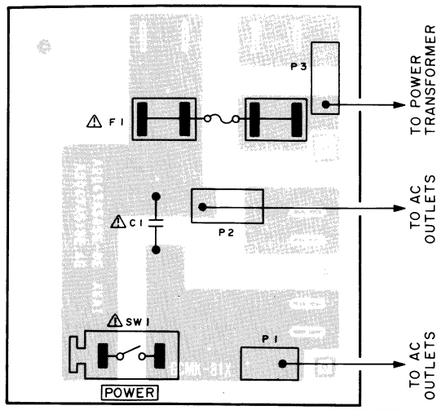

EQUALIZER PCB

AM - A102
- A2047A513C U
- A507C E S

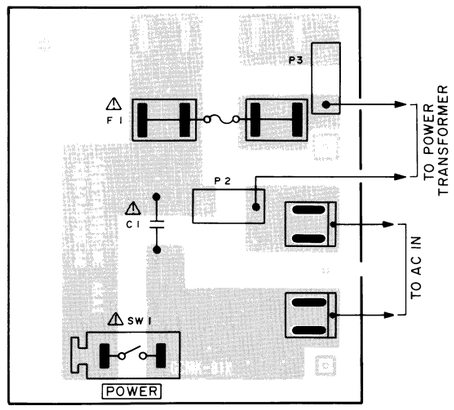
AM - A202
- A2047A505C U
- A506C C A
- A507C E B S
- A508C V

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

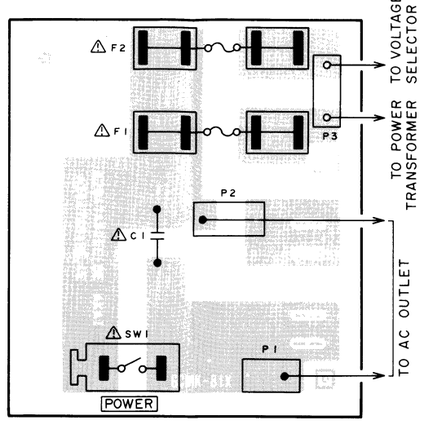
AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT



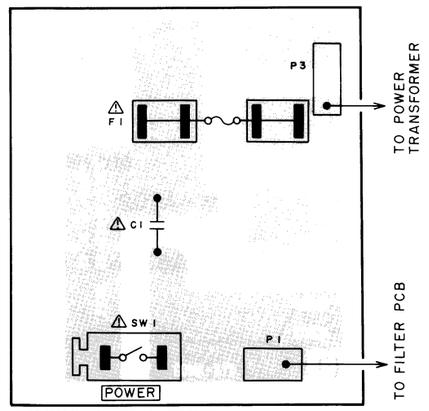

POWER SW PCB A2047A506E [C][A]
(AM-A202)



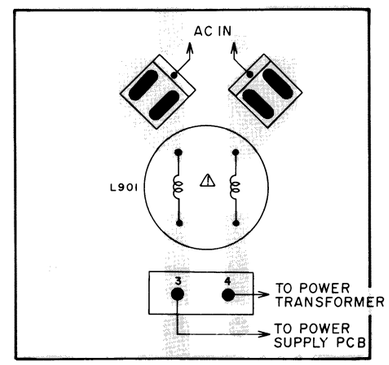

POWER SW PCB A2047A507E
[E][S] (AM-A102)
[E][B][S] (AM-A202)




POWER SW PCB
A2047A505E [U] (AM-A202)
A513F [illegible] (AM-A102)




POWER SW PCB
A2047A504E [V] (AM-A202)




FILTER PCB A2040A504C
[V] MODEL ONLY

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

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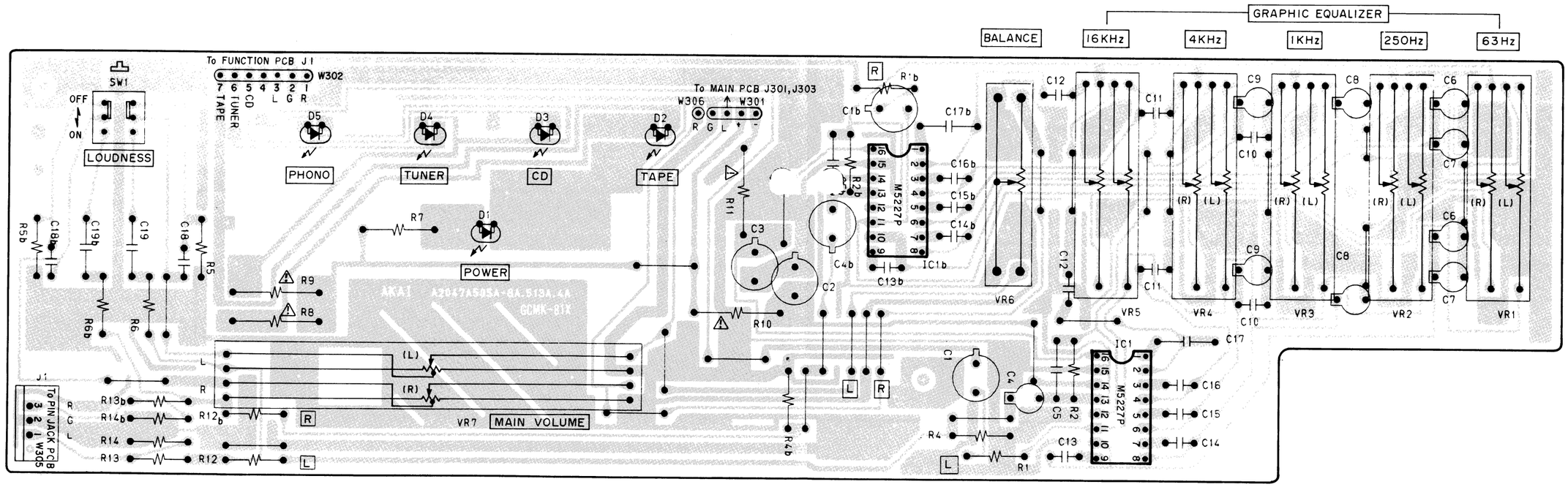


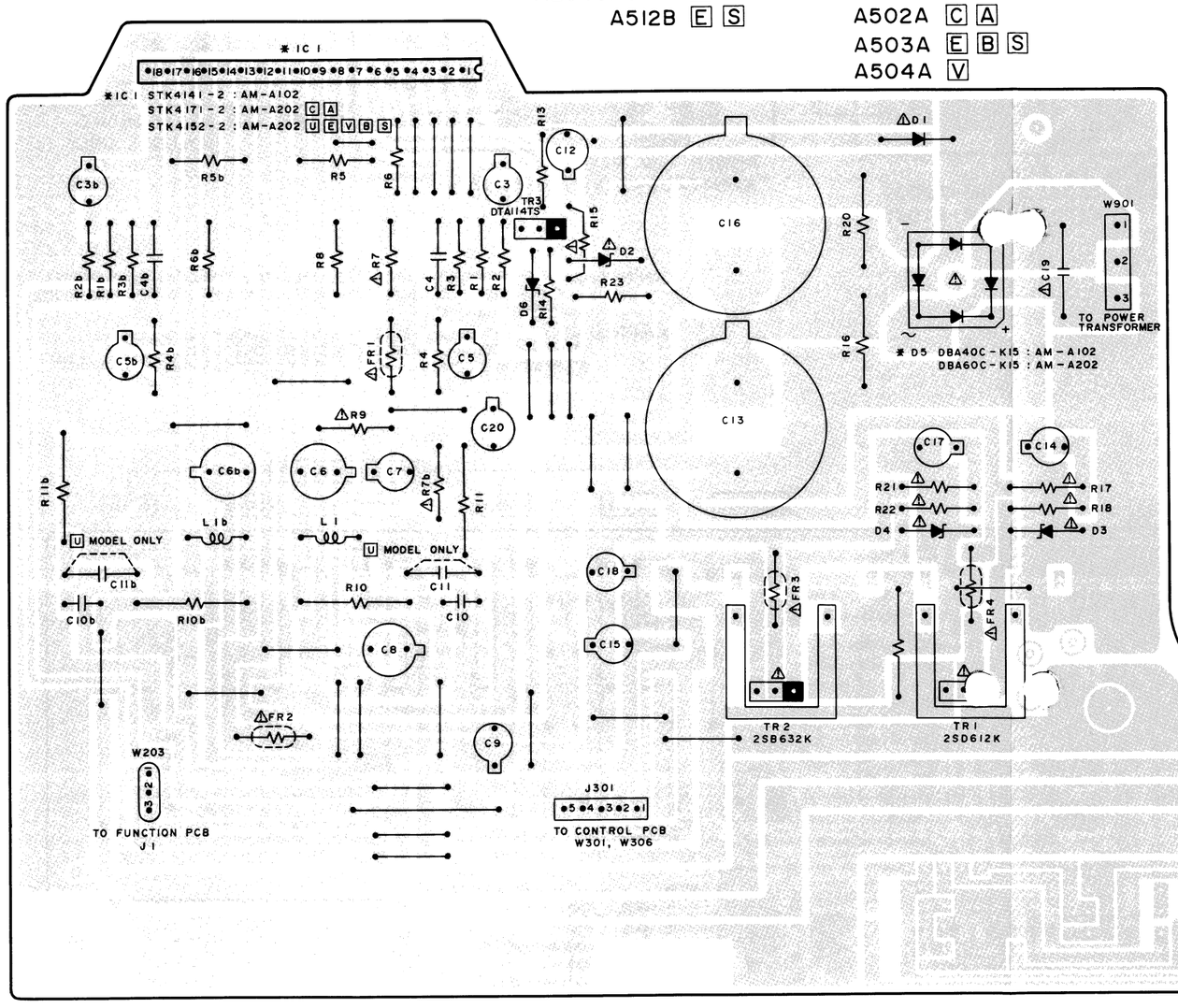

CONTROL PCB

| | | |
|---|---|---|
| AM-A102 | A2047A513A | [U] |
| | A507A | [E][S] |
| AM-A202 | A2047A505A | [U] |
| | A506A | [C][A] |
| | A507A | [E][B][S] |
| | A508A | [V] |

## MAIN PCB

AM-A102
A2040A511A [U]
A512B [E] [S]

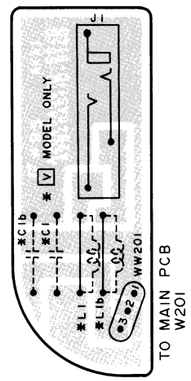
AM-A202
A2040A501A [U]
A502A [C] [A]
A503A [E] [B] [S]
A504A [V]




## HEADPHONE PCB

A2040A511D [U]
A512D [E] [S]

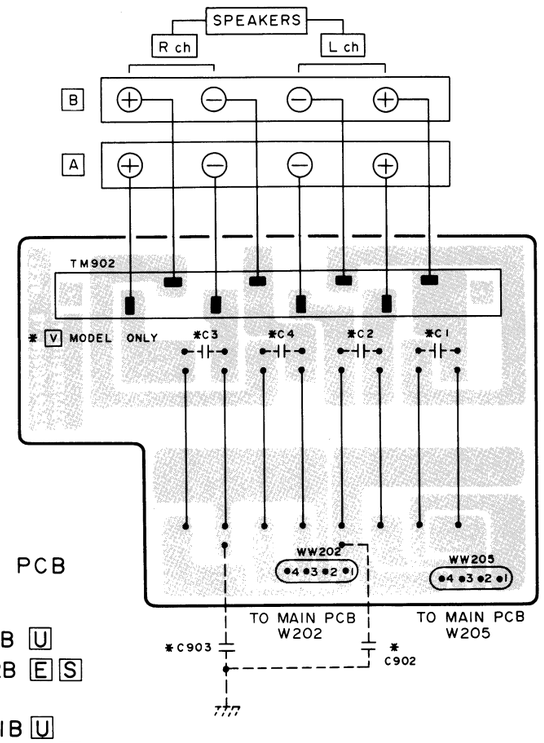
AM-A202
A2040A501D [U]
A502D [C] [A]
A503D [E] [B] [S]
A504D [V]

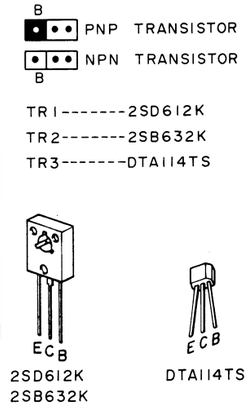



## SPEAKERS PCB

AM-A102
A2040A511B [U]
A512B [E] [S]

AM-A202
A2040A501B [U]
A502B [C] [A]
A503B [E] [B] [S]
A504B [V]

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# AM-A102/202

EQUALIZER PCB

05

IC1
M5218P-21

V MODEL ONLY

PHONO
TUNER
CD/AUX
TM901
C901 0.047 (Z)

R1 300k
R2 330
R3 56k
R4 680
R5 33k
R6 430k
R7 330
R8 220k
R9 1/2W 150 (FS)
R10 1/2W 150 (FS)
C1 270P(K)
C2 2.2/50
C3 100P(J)
C4 100/63
C5 0.0022 (J)
C6 0.0082 (J)
C7 1/50
C8 0.0033 (K)
C9 47/25
C10 47/25

IC1 1/2
IC1 2/2

P1 P2 P3

03

GRAPHIC EQUALIZER

IC1 M5227P
IC1b M5227P

VR1 to 5 100k(W)
63Hz
250Hz
1kHz
4kHz
16kHz

C1 10/16
C2 47/25
C3 47/25
C4 22/16
C5 470P(K)
C6 0.082 (K)
C7 0.68/50(K)
C8 0.022(K)
C9 0.1/50(K)
C10 0.075(K)
C11 0.043(K)
C12 0.011(K)
C13 0.082 (K)
C14 0.022(K)
C15 0.0056(K)
C16 0.0013(K)
C17 330P(K)

R1 1.3k
R4 10k
R10 1/2W 100 (FS)
R11 1/2W 100 (FS)
R12

LOUDNES
SW1 OFF — ON
R5 22k
C18 0.012(K)
C19 220P
R12 3k
R6 39k
MAIN VOLUME
VR7 250k(38M)

R13 3.3k
R14 91k

W302
J1

06

04

V MODEL ONLY
C8 0.01(Z)
C9 0.01(Z)

POWER
D1 BR5507S
R7 1/2W 2.2k
PHONO
D5 SLP284C-51U
R9 1/2W 1k (FS)
TUNER
D4 SLP284C-51U
CD
D3 SLP284C-51U
TAPE
D2 SLP484C-51
R8 1/2W 1k (FS)

CONTROL PCB

PHONO ON — OFF SW1-1
TUNER ON — OFF SW1-2
CD ON — OFF SW1-3
TAPE ON — OFF SW1-4

IC1 M5218P
R5 1/2W 150 (FS)
C1 1/50
R8 330
C4 10/16
R7 300k
R1 56k
C2 100P(J)
R2 20k
C3 100/6.3
R3 24k
C6 47/25
R4 220k
C5 220P(K)
C7 47/25
R6 1/2W 150(FS)

+15V
-15V

V MODEL ONLY

LINE OUT
REC
TAPE
PLAY
PROCESSOR OUT
PROCESSOR IN

P1 P2 P3
W303
W304
W305

R1 330
R2 330
R3 1k
C1 100P (J)
C2 100P (J)

PIN JACK PCB

FUNCTION PCB

POWER SW PC

09

T901
AM-A202V : AM-A201-40
AM-A202A : AM-A202-20
AM-A202C : AM-A202-30

POWER
SW1
F1
C1 0.0047/400 (P)
C1 0.001/400(P)
WHT 220V
YLW 120V
RED 0V
ORG

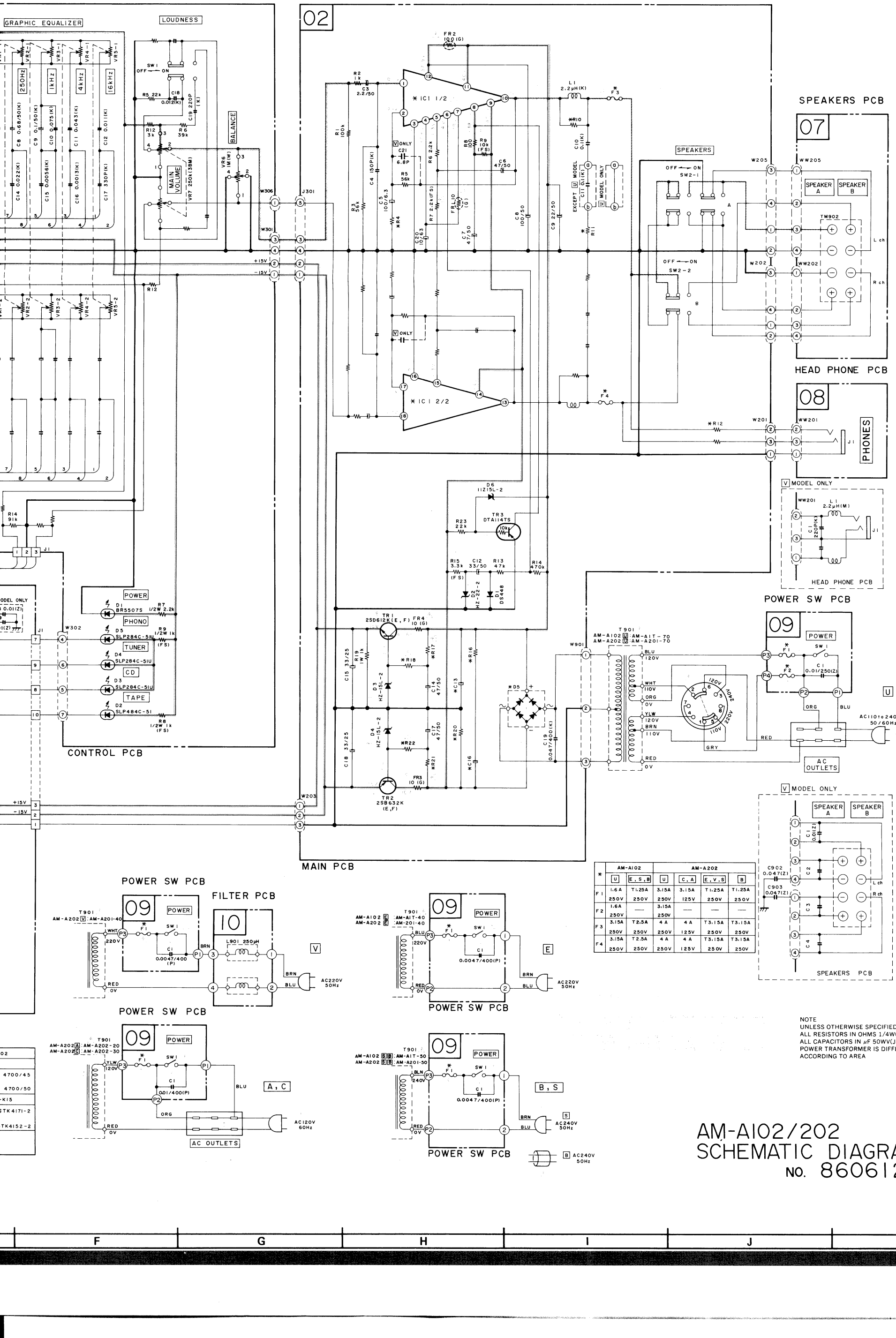
B (POWER SUPPLY) LINE

SIGNAL LINE

| * | AM-A102 | AM-A202 |
|---|---|---|
| R4 | 1.1k | CA 750 |
| | | UEVBS 820 |
| R10, R11 | 1/2 W10 | 1 W10 |
| R12 | 1 W180 | 2 W220 |
| R17, R21 | 3.3k (FS) | UEVBS 3.3k (FS) |
| | | CA 5.6k (FS) |
| R18, R22 | 1k (FS) | UEVBS 1k (FS) |
| | | CA 1.8k (FS) |

| * | AM-A102 | AM-A202 |
|---|---|---|
| R16, R20 | 5.6k | 10k |
| C13, C16 | 4700/40 | UEVBS 4700/45 |
| | | CA 4700/50 |
| D5 | DBA40C-K15 | DBA60C-K15 |
| IC1 | STK4141-2 | CA STK4171-2 |
| | | UEVBS STK4152-2 |

001874



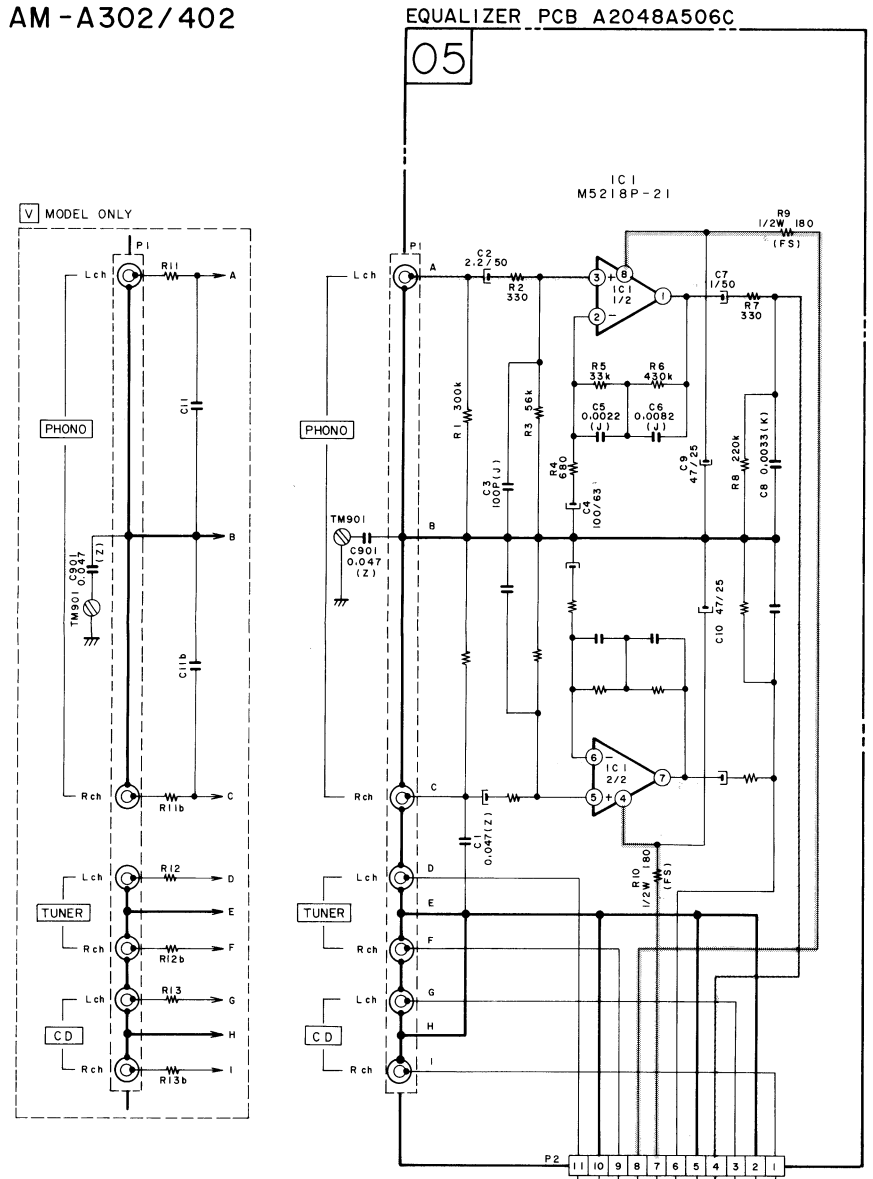

| * | AM-A102 | | AM-A202 | | | |
|---|---|---|---|---|---|---|
| | U | E, S, B | U | C, A | E, V, S | B |
| F1 | 1.6A 250V | T1.25A 250V | 3.15A 250V | 3.15A 125V | T1.25A 250V | T1.25A 250V |
| F2 | 1.6A 250V | — | 3.15A 250V | — | — | — |
| F3 | 3.15A 250V | T2.5A 250V | 4A 250V | 4A 125V | T3.15A 250V | T3.15A 250V |
| F4 | 3.15A 250V | T2.5A 250V | 4A 250V | 4A 125V | T3.15A 250V | T3.15A 250V |

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μF 50WV(J)
POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA

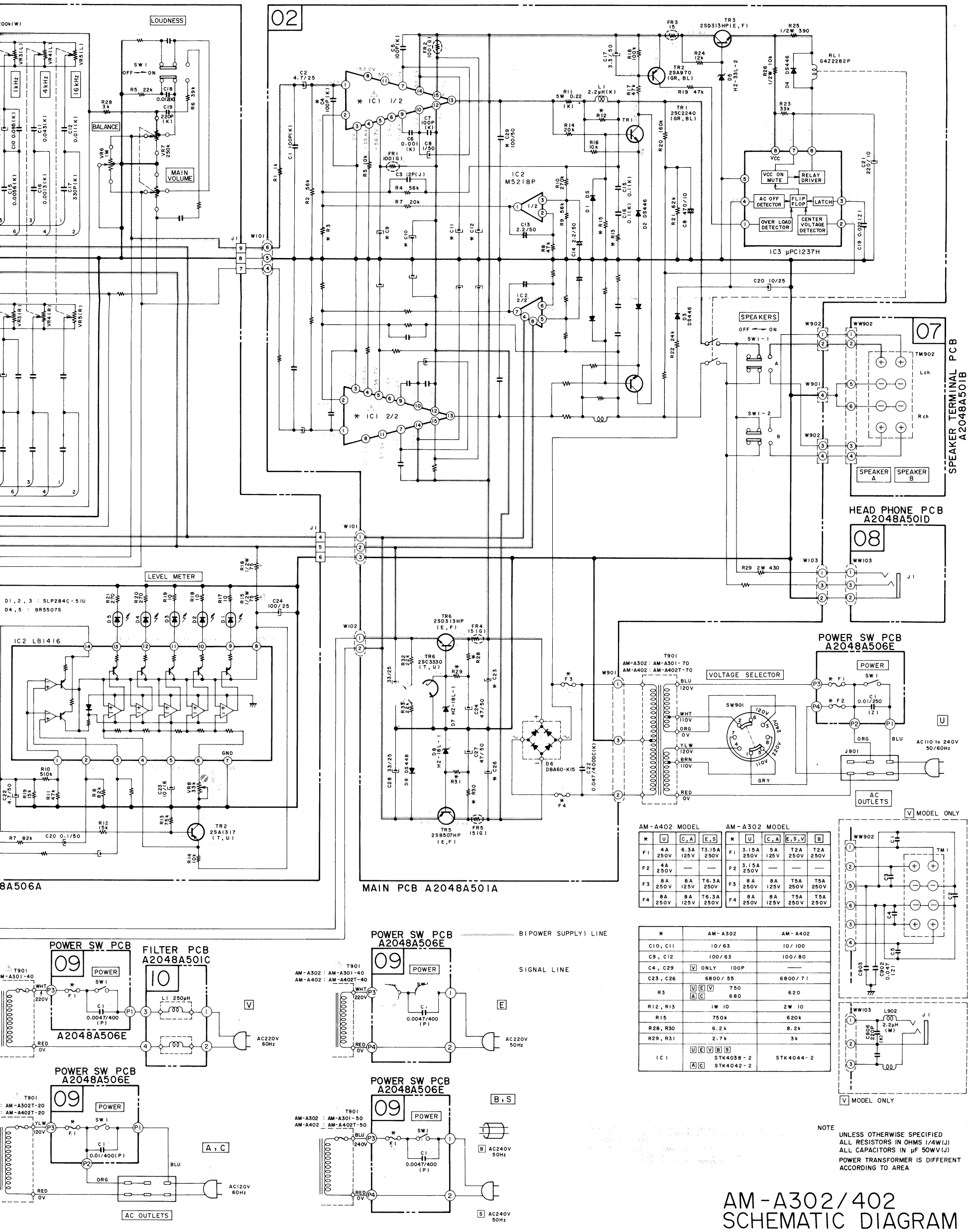
# AM-A102/202
# SCHEMATIC DIAGRAM
# NO. 860612A 4

AM-A302/402

EQUALIZER PCB A2048A506C




001876




| AM-A402 MODEL | | | |
|---|---|---|---|
| * | U | C, A | E, S |
| F1 | 4A 250V | 6.3A 125V | T3.15A 250V |
| F2 | 4A 250V | — | — |
| F3 | 8A 250V | 8A 125V | T6.3A 250V |
| F4 | 8A 250V | 8A 125V | T6.3A 250V |

| AM-A302 MODEL | | | | |
|---|---|---|---|---|
| * | U | C, A | E, S, V | B |
| F1 | 3.15A 250V | 5A 125V | T2A 250V | T2A 250V |
| F2 | 3.15A 250V | — | — | — |
| F3 | 8A 250V | 8A 125V | T5A 250V | T5A 250V |
| F4 | 8A 250V | 8A 125V | T5A 250V | T5A 250V |

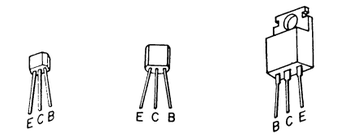
| * | AM-A302 | AM-A402 |
|---|---|---|
| C10, C11 | 10/63 | 10/100 |
| C9, C12 | 100/63 | 100/80 |
| C4, C29 | V ONLY 100P | — |
| C23, C26 | 6800/55 | 6800/71 |
| R3 | U E V 750<br>A C 680 | 620 |
| R12, R13 | 1W 10 | 2W 10 |
| R15 | 750k | 620k |
| R28, R30 | 6.2k | 8.2k |
| R29, R31 | 2.7k | 3k |
| IC1 | U E V B S STK4038-2<br>A C STK4042-2 | STK4044-2 |

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μF 50WV(J)
POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA

# AM-A302/402 SCHEMATIC DIAGRAM NO. 860614A4

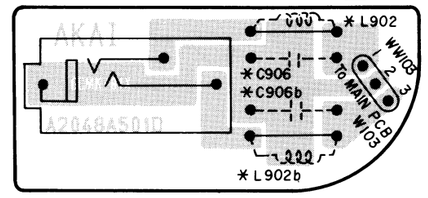
TR1 ..... 2SC2240
TR2 ..... 2SA970
TR3, TR4 ..... 2SD313HP
TR5 ..... 2SB507HP
TR6 ..... 2SC3330

PNP TRANSISTOR
NPN TRANSISTOR




2SC3330 | 2SC2240 2SA970 | 2SD313HP 2SB507HP

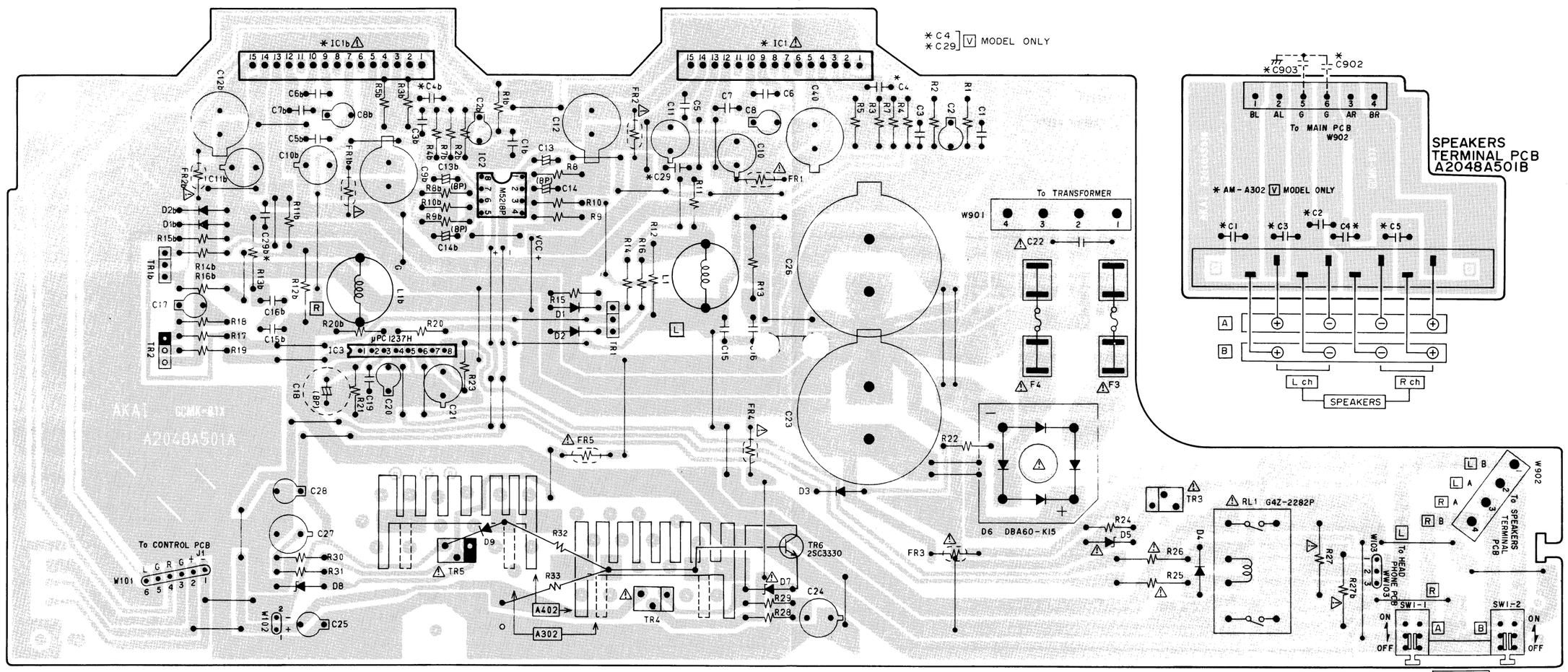
* AM-A302 [V] MODEL ONLY




HEAD PHONE PCB A2048A501D

* IC1
AM-A302 [STK4038-2 [U][E][V][B][S] MODEL / STK404- 3 [ ] MODEL]
AM-A402 STK40-

* C4
* C29 [V] MODEL ONLY




MAIN PCB A2048A501A

* C903
* C902




SPEAKERS TERMINAL PCB A2048A501B

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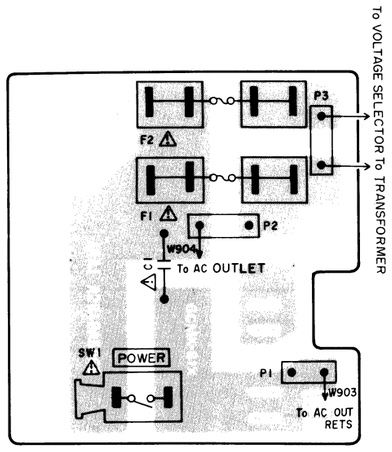
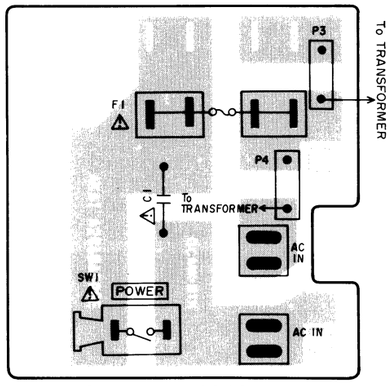
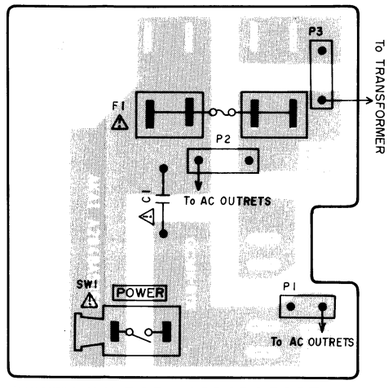


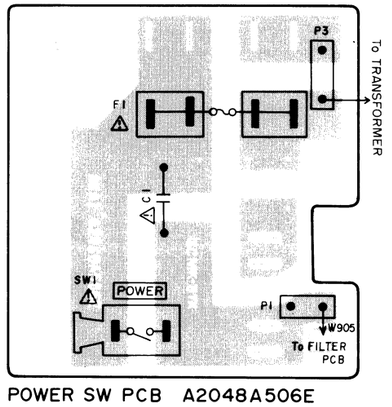

POWER SW PCB A2048A506E
AM – A302 [U] MODEL
AM – A402 [U] MODEL



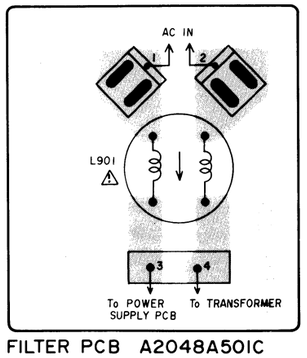

POWER SW PCB A2048A506E
AM – A302 [E][B][S] MODEL
AM – A402 [E][S] MODEL




POWER SW PCB A2048A506E
AM – A302 ]
AM – A402 ] [A][C] MODEL




POWER SW PCB A2048A506E
AM – A302 [V] MODEL




FILTER PCB A2048A501C
AM – A302 [V] MODEL ONLY

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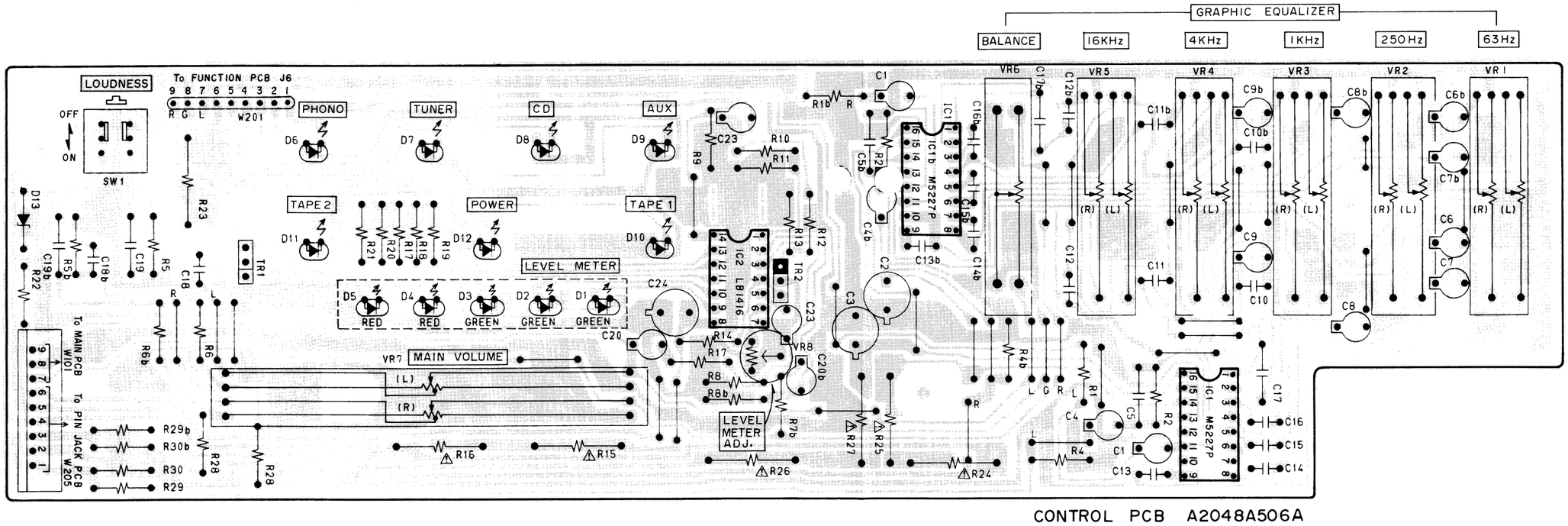
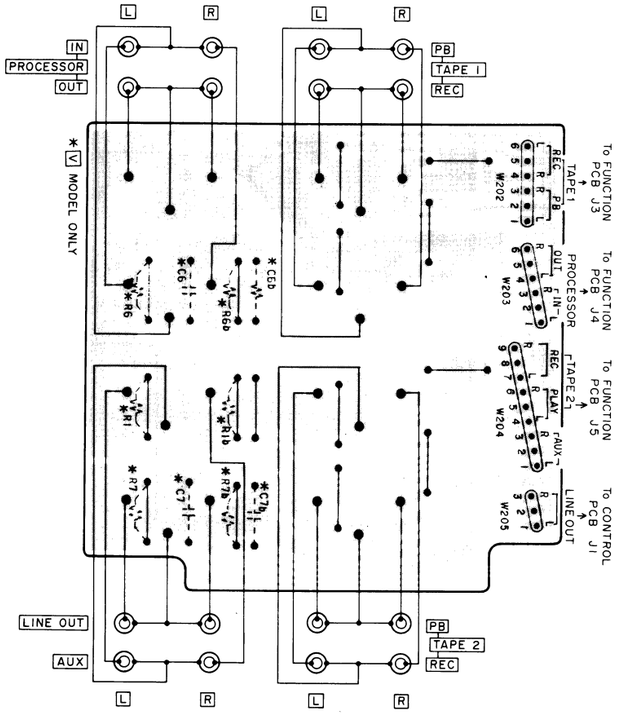



CONTROL PCB A2048A506A

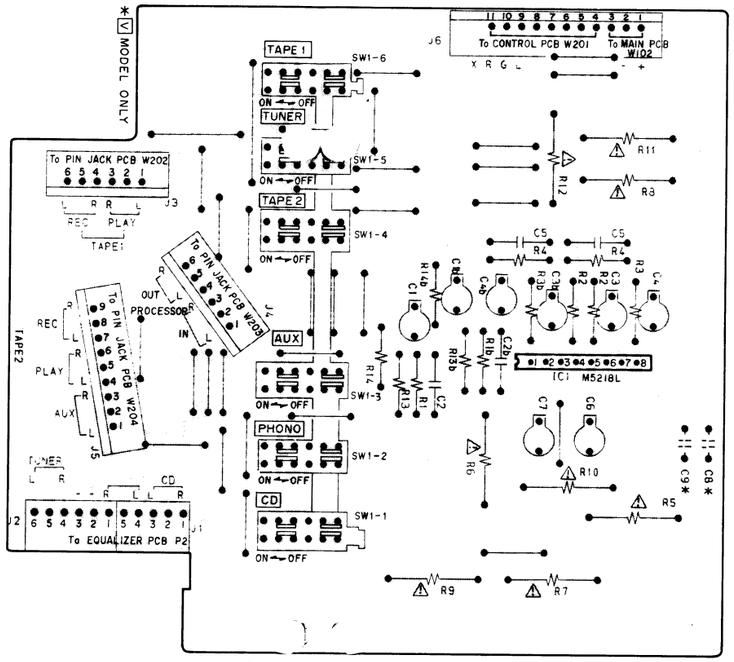
TR1 ····· 2SC3330
TR2 ····· 2SA1317

PNP TRANSISTOR
NPN TRANSISTOR

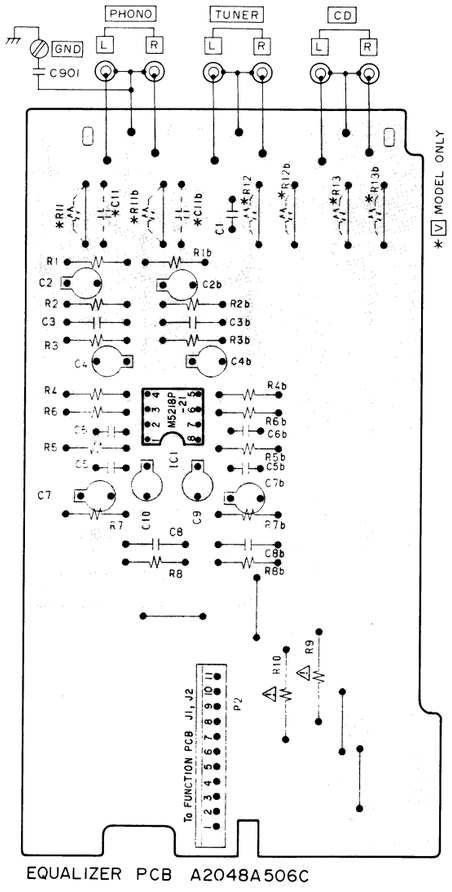
2SC3330
2SA1317




PIN JACA PCB A2048A506D




FUNCTION PCB A2048A506B



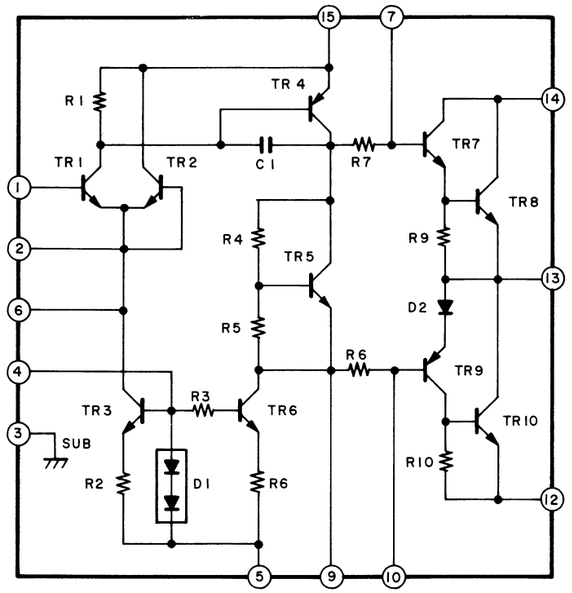

EQUALIZER PCB A2048A506C

WARNING: ⚠ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: ⚠ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDEES PAR LE FABRICANT

MODEL AM-A302
STK4038-2
STK4042-2

MODEL AM-A402
STK4044-2




MODEL AM-A102
STK4141-2

MODEL AM-A202
STK4171-2
STK4152-2